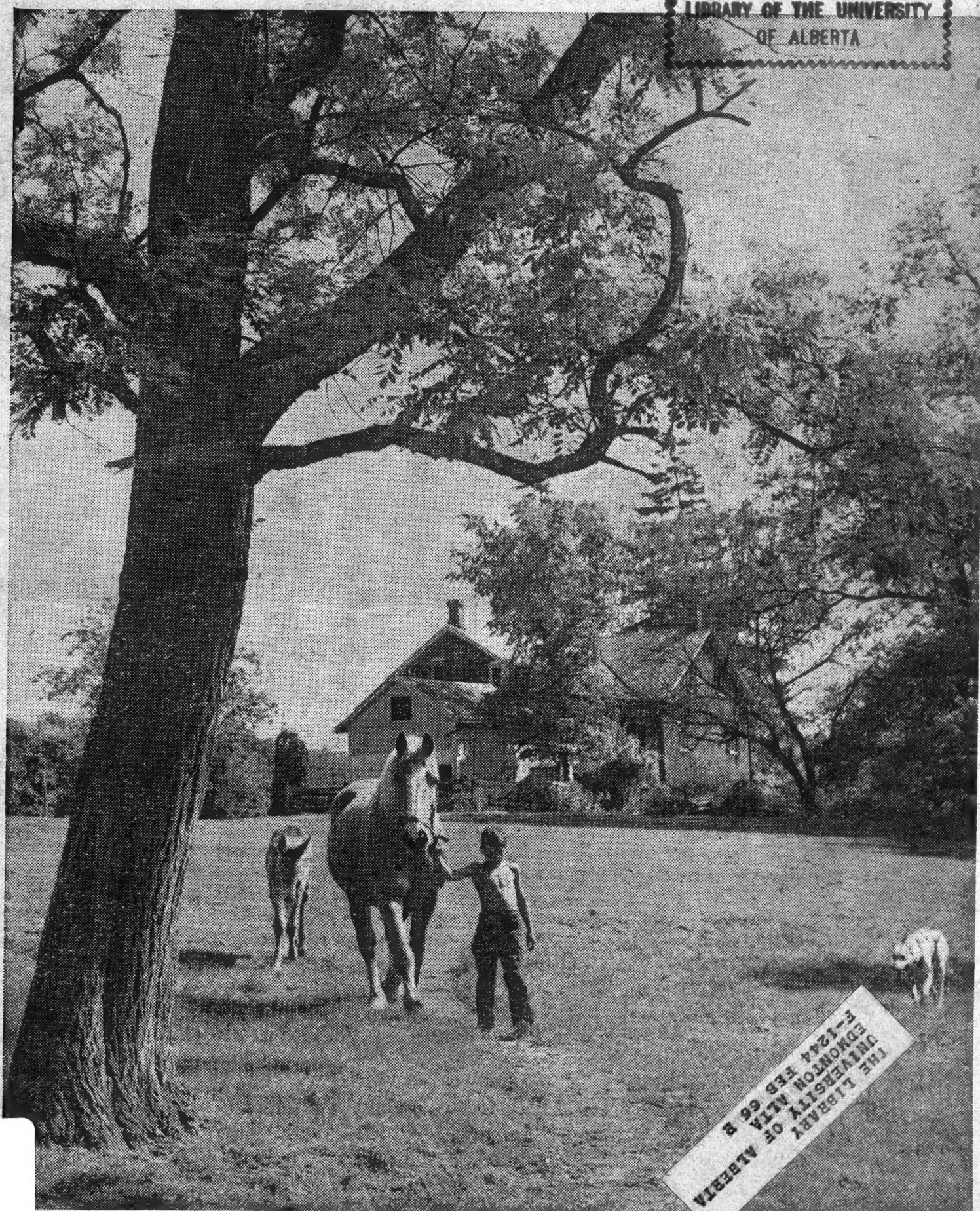


13 JUN 1952

# Farm and Ranch REVIEW

JUNE, 1952

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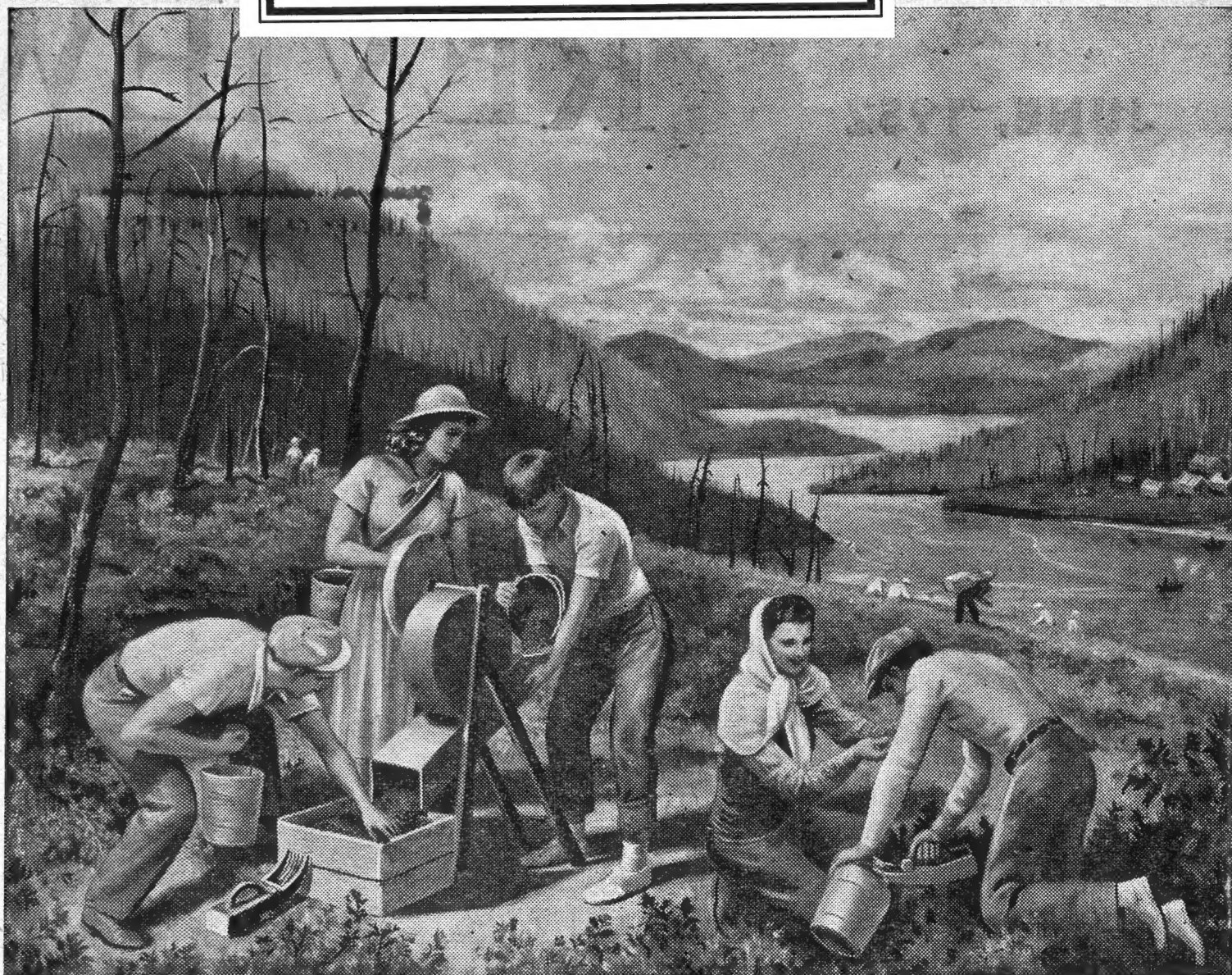
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\* \* \*

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The House of Seagram feels that the horizon of industry does not terminate at the boundary of its plants; it has a broader horizon, a farther view—a view dedicated to the development of Canada's stature in every land of the globe.

The House of Seagram

# One man's faith in Justice makes this date memorable...

## April 9, 1952

**YEARS AGO** a dream came true for Harry Ferguson. He obtained a patent on a device he had created—a hydraulic device that was to enable one man to do the work of many on the farms of America.

**OTHER PATENTS** were issued to this man, patents on devices that ended back-breaking farm tasks—that saved time and money. So good were these devices that eventually, by a handshake agreement, a large motor car company manufactured a tractor equipped with them. It was marketed as the Ford Tractor with Ferguson System, integrating tractor and implement into one efficient machine.

**AS SOMETIMES HAPPENS**, this arrangement terminated and Harry Ferguson, Inc. made and marketed its own tractor using the Ferguson System. The Ford Tractor continued to be made and sold, embodying some of the Ferguson patents and inventions.

**THUS HARRY FERGUSON** found himself in competition with his own creations. He believed deeply in justice and in the rightness of his claim against the Ford Motor Company. It was this man's faith in these things that found justification on this date . . .

## April 9, 1952

**ON THIS DATE** the United States District Court for the Southern District of New York entered a final judgment, with the consent of all parties which ended four years of litigation between Harry Ferguson, Inc. and Ford Motor Company and others.

**IN THIS ACTION**, it was ordered and adjudged that:

1. The sum of \$9,250,000 shall be paid to Harry Ferguson, Inc. as royalties on Patents Nos. 1,916,945; 2,118,180; 2,223,002 and 2,486,257.
2. Ford Motor Company shall not manufacture, after December 31, 1952, such tractors, and Dearborn Motors Corporation shall not sell any such tractors manufactured after December 31, 1952, as have
  - (a) a pump having a valve on its suction side, as for example in the present Ford 8N tractor, arranged to be automatically controlled in accordance with the draft of an implement, or
  - (b) a pump for a hydraulically operated draft control

system for implement control and a power take-off shaft both driven by the lay shaft of the transmission, as for example in the present Ford 8N tractor, or (c) a coupling mechanism on the upper portion of the center housing, of the form employed in Ford 8N tractors manufactured prior to November 22, 1949; and Ford Motor Company and Dearborn Motors Corporation must affix a notice on any long coupling pins, manufactured by them, to the effect that the pin is sold only for replacement on 8N tractors made by Ford prior to November 22, 1949. This notice will continue to be affixed until October 25, 1966.

3. Ford Motor Company and Dearborn Motors Corporation shall have a period of time, expiring not later than December 31, 1952, in which to make these changes.
4. All other claims and counterclaims are dismissed and withdrawn on the merits.

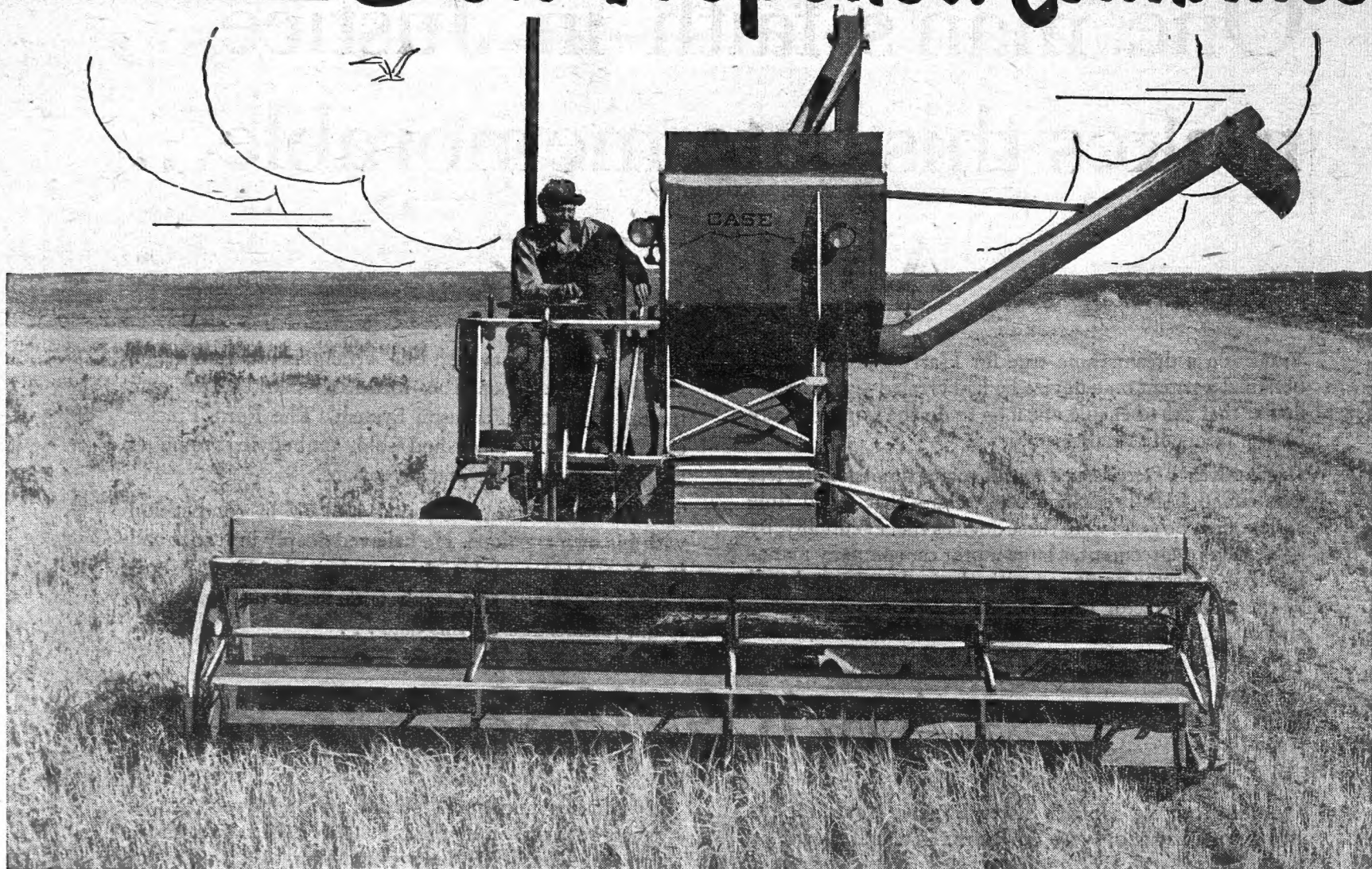
**A COPY OF THE CONSENT JUDGMENT** is available to anyone interested in reading it. This settlement between Harry Ferguson, Inc. and the Ford Motor Company resolves the issues. The inventions in their entirety with which this action was concerned will be found only in the Ferguson Tractor and in the Ferguson System in the future.

*Harry Ferguson, Inc.*

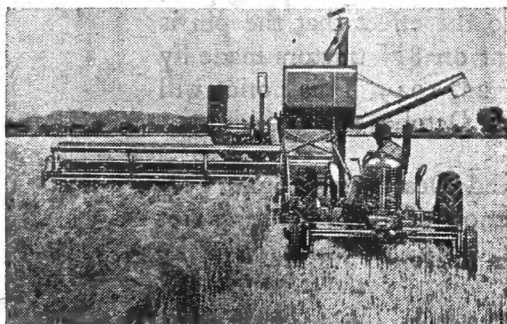
Detroit 32, Michigan



# CASE Self-Propelled Combines

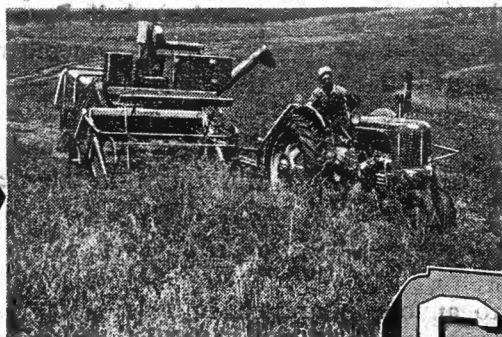


## 9, 12 and 15-FOOT CUTS

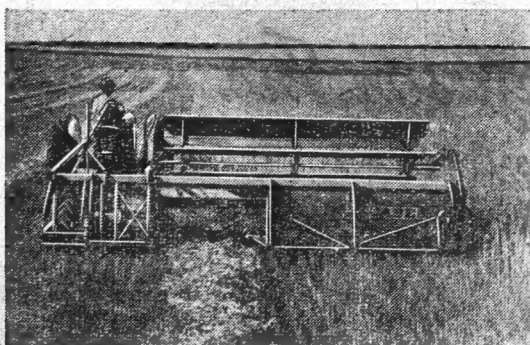


**Favorite Combine of the Americas**, the Case 6-foot Model "A" is the master of tough, weedy crops. Does superb work in everything from tiny close-clinging clover seed to big, fragile beans. Five-foot "F-2" (not shown) built for PTO work with 2-plow tractor.

**Nine and 12-foot Case pull-type Combines**, like the Self-Propelled models, have hydraulic header control, auger-type headers, choice of spike-tooth or rub-bar cylinders. All have quickly adjustable concaves, extra long strawracks, and Air Lift cleaning.



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The barley shown above looks like a short crop—but it is short in straw only. The photographer reports it as a new specially developed short-straw variety yielding 50 to 60 bushels an acre in this field. The Case Self-Propelled Combine was doing a fast, thorough, clean job. Whether your crop is heavy or light, the going easy or tough, you'll appreciate the grain-saving, time-saving, money-saving advantages of any of the Case Self-Propelled Combine models.



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| <input type="checkbox"/> 6-foot Model "A" Combine |   |
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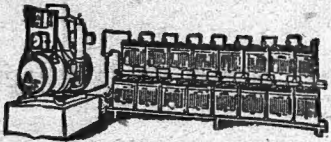


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If you must say "yes" to any of the above, you may already have a serious hearing loss. That's how deafness often comes—creeps up so gradually you may be quite deaf before you realize what is causing all your discomfort and inconvenience.

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## The Farm and Ranch Review

Graphic Arts Bldg., Calgary, Alberta

Vol. XLVIII. Founded in 1905 by Charles W. Peterson

James H. Gray, Editor

P. Peterson, Advertising Manager

No. 6

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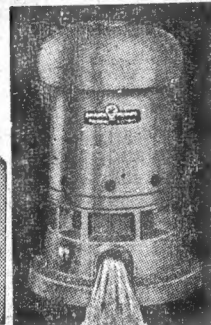
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"Do you have to be rich to get a share?"

"No, the Company is owned by many people like Doctor Smith and Mrs. Munroe, and the grocer and the street car conductor. No one owns more than a very small part."



"Have you a share in it, Dad?"

"No, son—but yet, in a way I have a share, too. I own life insurance to protect Mother and you. The money I pay to the insurance company each year is invested in many things, including shares in the Nickel Company. So actually Inco is owned by most everybody."



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# The Farm and Ranch Editorial Page...

## Mr. Gardiner should clean house, with a big broom and shovel

**T**HE evidence on the outbreak of foot-and-mouth disease in Saskatchewan is now complete. The Hansard of the proceedings of the Agricultural and Colonization committee, which investigated, makes melancholy reading, and on a number of counts.

To the Farm and Ranch, by far the most serious defect revealed by these hearings was the state of mind of the top officials of the Department of Agriculture. It is a state of mind far too prevalent in our civil service today. It is manifest by a disregard for the elementary principles of Parliament democracy, on one hand, and by a hide-bound rigid bureaucracy on the other.

Foot-and-mouth disease broke out in Saskatchewan in early December. It was diagnosed as stomatitis and treated as stomatitis. As weeks passed the infection spread. Efforts were intensified to stamp it out. The suspicion gradually emerged that it was not stomatitis at all but something more serious. Yet it was not until February 18 that anybody got around to notifying the minister of agriculture of the facts.

Here, surely, is the tapering mind of the bureaucrat at its worst. If the veterinarians were wrong, if they had mistaken foot-and-mouth for stomatitis, then the consequences to the whole Canadian economy would be immediately disastrous. Hence it was imperative that the minister of agriculture, and in turn the Government, should be informed at the very earliest date of developments. This would have enabled the Government to make plans for the handling of the disaster if it did develop. Not only was Mr. Gardiner not informed, his deputy was not even consulted about the disease until February 2nd or 3rd.

Thus, when eventually the disease was diagnosed as foot-and-mouth, a panic swept the country and it cost the producers untold millions of dollars. Perhaps some of the loss could not have been prevented. Perhaps there would have been a degree of panic. But certainly a forewarned Government could have been fore-armed to deal with the situation. Certainly, too, vigorous, well thought-out action taken at the right time would have dampened down the panic.

If this were an isolated case of bureaucratic arrogance it might perhaps be excused. Unfortunately, however, with the growth in power and size of the civil service it is nothing of the kind. To the bureaucrat, the ideal cabinet minister is the weak sister, who makes no effort to understand or to run his department, who is content to be a "yes-man" for his officials, who stays out of the way and lets the permanent officials run things. No one ever accused Mr. Gardiner of being that sort of minister. Yet the fact that he could be treated in so cavalier a

fashion illustrates the extent to which this arrogance permeates the body politic.

Unless a civil service is to become a super-government, it must function under the complete control and direction of the minister, who is responsible to Parliament and through it to the people of Canada. The elected representatives of the people must be the policy-makers, not the paid officials who are not responsible to the people. Unfortunately, as government departments have doubled and redoubled, the machinery of government has become so complicated that ministers often become mere mouth-pieces for the permanent officials.

This, we say, is by far the most important defect brought out by the Parliamentary committee. But it was far from the only one. Despite the outbreaks of foot-and-mouth in Europe, despite the universal realization of the dire consequences to Canada for an outbreak here, official after official went before the committee and testified that they had not even discussed the possibilities of the disease being foot-and-mouth. They were for all the world like the three monkeys in the Chinese proverb:

"Hear no Foot-and-Mouth!"

"See no Foot-and-Mouth!"

"Speak no Foot-and-Mouth!"

Because the symptoms of foot-and-mouth and stomatitis are almost identical, ordinary, ignorant laymen would suppose that the first thing that would be done would be to take steps to positively eliminate foot-and-mouth. That would be elementary common sense. Yet the excuse the veterinarians offered for their faulty diagnosis was this: It couldn't be foot-and-mouth because we have never had foot-and-mouth in Canada.

Tests were made on horses. Horses get stomatitis but are immune to foot-and-mouth. In the first reported case, when the tests were made on horses, they got what seemed to be positive reactions to stomatitis. But when subsequent tests were made on other horses, as the virulence of the disease was increasing, the horses did not react to the infection. To ordinary laymen, that would have been a screaming signal that the disease was not stomatitis. It would have started them to wonder if it were foot-and-mouth. But the veterinarians, reputedly men of science, reputedly people trained to interpret facts, seemingly paid little heed to this striking development.

If it had not been for the chance passage of a lame pig through a farm yard when two veterinarians were present, Heaven only knows when the real diagnosis would have been made. Pigs, previously, hadn't shown too

great a susceptibility to the disease. Pigs, normally, take it quickly. Not too much attention was paid to ailing pigs until the little lame fellow wandered in. He had a hoof separation and it was this that brought the whole business to a head.

Let us concede at once that the veterinarians worked hard to combat the disease. Give them the highest marks on the score of devotion to duty and long hours put in. Then mark them zero for their performance as scientists who were hired by the people of Canada to bring all their specialized talents to bear on the diagnosis of disease.

It is, we say, a melancholy performance all around. It has cost the country dearly, it has seriously impaired confidence in the Health of Animals branch and in the veterinary profession. In private industry, such a disaster would result in a wholesale house-cleaning. The farmers of Western Canada will be satisfied with nothing less from Mr. Gardiner and the Government!

★

## The stark facts of the case

**A** HANDFUL of facts is worth a barrellful of argument any time. The Brooks Bulletin recently used a small handful of facts to completely demolish the case for export of Canadian gas to the United States. Here is the editorial from the Brooks Bulletin:

### There's a Moral in this Story

The Anaconda Copper Co., operating plants at Butte, Great Falls and Anaconda, in the state of Montana, is going to get a substantial quantity of natural gas from the Pakowki field in southern Alberta.

The copper company has been using gas from three fields in Montana, ever since 1928. These fields are petering out. The company estimates that the available supply will last for only eleven years. It has therefore turned to Alberta for additional requirements.

The United States Power Commission conducted a hearing before the decision reached to permit gas imports from Alberta. The Anaconda Co. testified it needed ten million cubic feet of gas a year.

It would cost the company \$225,000 to convert to the use of oil and oil fuel would add \$3,000,000 a year to operating costs. To convert to coal would cost \$3,750,000 and the use of coal would add \$3,500,000 a year to operating costs.

The use of natural gas is so economical that the Anaconda Co. can process ore with a copper content of only 60 pounds to the ton.

The United States has an import duty of 5¢ a pound on imported Canadian copper.

Consolidated Mining & Smelting Corporation, the big Canadian company operating in the Crow's Nest Pass, uses coal in its smelting operations.

And we send our gas to Montana to enable a big U.S. mining company to produce copper economically.

This wonderfully concise factual summary leaves very little for us to add save this: The permit to export Alberta gas to Montana will extend by 10 years the period in which the American copper company enjoys a marked cost advantage over the Canadian company. For Canadian industry to get into the United States market, it must scale an imposing tariff wall. If our gas is retained in Canada for use by Canadians, we can so lower our costs that exports are possible. But if we export our gas, and lower the costs of our competitors, we destroy our competitive position. It is as simple as that.



# Farm and Ranch Editorials

## Go to the fairs, but don't be swindled

**E**LSEWHERE in this issue we have reprinted an article on the swindles that are worked by the carnivals that operate throughout the country during the summer. The article first appeared in our November, 1951, issue. We are republishing it because it is more timely now and may prevent some of our readers from being swindled at the Fairs and Exhibitions this summer.

We quickly concede that perhaps little harm is done by the more or less innocent swindles — the ball-throws, the dart throws, the sledge-hammer-ring-the-bell games. The stakes are not large and the prizes are usually shoddy merchandise. But every year across the prairies scores of young people are swindled out of their vacation money by the sharpsters who operate the so-called games of chance. There is no chance involved in any of these games. The only time the customer can win is when the operator deliberately makes him win.

Frankly, we have never been able to follow the reasoning of the people in charge of our big fairs, in particular, in their toleration of the open swindling of their customers. We don't think provincial exhibitions have to give space to swindles in order to function. If they do it is surely about time that they went out of business. Larceny is larceny, whether performed with a gun or a black-jack or with a glib tongue and skill in gulling the gullible.

Our article is not the first expose of

carnival gyps. Perhaps it will accomplish little. After all, there is some sense in what Voltaire said 175 years ago — that the ultimate result of shielding men from the effects of folly is to fill the world with fools. And there is some sense, too, in the old swindler's aphorism that you cannot cheat an honest man; that in order to be victimized by a sharpster you have to have larceny in your own heart. In order to be taken in, you must begin with wanting to get something for nothing.

Perhaps, we repeat, this editorial and the article will accomplish nothing. But perhaps, here and there, it may appeal to the morals of our society. We have laws in this country against swindling. There is no reason why the law should be enforced 51 weeks a year and then repealed for Fair Week or Stampede Week. And it strikes us as silly for civic officials to issue warnings against pick-pockets while sanctioning the operations of the swindlers who pay rent for stalls along the midway. There are laws, as well, against gambling. But these, too, are repealed during Fair Week, on the curious assumption, we suppose, that people who are stupid enough to gamble on the midway don't deserve to have any money anyway.

In any event, an informed public is less likely to be swindled than an uninformed public. So before you take off for that wonderful week at the Fair this summer, turn to page 10 and be informed.

## How about a single appeal?

**W**E'VE been trying to work this editorial idea into the Farm and Ranch for many months. But time and again, just as we were getting set, our attention was attracted by a worthy campaign by some eminent organization for needed funds. So we layed off for fear that we might be suspected of throwing a harpoon into a deserving cause. As far as we can discover, nobody is currently asking the Canadian people for funds for anything right now. So we rush to suggest that the time has long passed when something should be done to unify these money-raising campaigns.

During the course of any year, we are asked to subscribe generously to the Community Chest, to the Red Cross and to cancer, infantile paralysis, tuberculosis, arthritis and a host of other disease combatting and charitable endeavors. We are in favor of them all because they are all most worthy. But we are disturbed about them nonetheless.

For one thing, raising money by dozens of separate drives is a duplication of effort that costs a lot of money. More important, however, is the psychological unsettlement produced by this never ending emphasis on disease. Far too much of the advertising for these funds falls into the scare category. It is high-pressure stuff from which there is seemingly no escape. Part of the sales technique is to make us all "conscious" of

the disease being campaigned for. That is definitely bad.

A great many of the ills that afflict us begin and end in our minds. Some of us, the prone worriers, can make ourselves completely miserable, and often actually sick, by brooding about diseases we might have. And even the most stoical of us gets our teeth set on edge by some of the ammunition used to extract money for very worthy causes. Is there not, we wonder, some connection between this endless emphasis on disease and the traffic jams outside every doctor's office and clinic in the land?

There is no doubt that more money spent on research into the cause and cure of diseases will ultimately increase the human life span. But we have a hunch that this would be a healthier nation if all the research organizations got together and staged one national drive with emphasis on health and not on horror. We can see no insuperable obstacle to one national campaign and a fair division of the money raised. True, so long as money was easy and the donations were all deductible from income taxes, there was little incentive to get together. But we have a feeling that the going is going to get tougher from now on. Unless there is some unification, the campaigns will become higher and higher pressure. Costs of collecting the money will mount and in the end research itself will suffer.

## A great spring and peace of mind

**I**T'S been a wonderful spring! It's been the kind of spring few of us expected we would get, the kind of spring we had to have in order to salvage the crop that was imbedded in snow last fall. When you come right down to it, nothing less than perfect spring weather would have been much use to us. Getting perfection when we had to have it was a wonderful restorative of faith in this Prairie of ours.

But now that it is all over and one crop is harvested and another is seeded, we can look back on what was also the most frantic spring in our history. Never did we have so much to do and never before did we get so much done. For thousands of Prairie farmers, there were days on end when nobody had time even to think.

Fortunately, thanks to the Wheat Board system of marketing our grain, there was one worry that farmers did not have, the worry of a continually fluctuating price generated by a speculative futures market. There were more than enough important things to worry about without the senseless torment, the needless anguish that would have been the farmers' lot under the gambling system. Our younger farmers, who have only been farming during the last decade will probably never fully appreciate what their fathers once went through.

In addition to all the risks of the weather, the farmers once had to be concerned about rushing their wheat to market in order to get the best price. They never knew from one week to the next, even from one day to the next, what their grain would bring at the elevator. They could only be certain of this: A bumper crop would be disastrous for when they had lots of wheat to market the price was low and when nobody had any wheat the price was always high.

What the tub-thumpers for Winnipeg roulette have never understood is the value of peace of mind. They cannot understand that farmers are not concerned, never have been and never will be concerned with getting the top penny for their crop. Within a dime or a quarter, who in the world can really say what a bushel of wheat is worth? Nobody. But the farmers are interested in stability and are prepared to pay for that stability if necessary with a lower possible maximum return. We do not concede here that it is necessary because we do not concede that any system other than the Wheat Board system could have obtained a better average price than our farmers have been getting. For the sake of the argument, let's say a higher price might have been obtained, the farmers would still be overwhelmingly in favor of the stability of the Wheat Board system.

Yes, it was a wonderful spring. But not all the credit goes to nature. Some of it must go to the Prairie farmers who eventually saw their dreams embodied in the permanent adoption of the Wheat Board system of marketing their grain. It was they who bore the brunt of the struggle that won for the farmers of 1952 the peace of mind that made the joint harvesting and planting so successful an operation.



# Rearming Germany creates fear all over

By BEN MALKIN

THE rearming of Western Germany has now become a major issue between Russia and the Western powers. Russia not only doesn't want Western Germany rearmed because it would lead to an increase in Western strength; Russia undoubtedly has genuine fear of Germany itself, and seems ready to go to considerable lengths to prevent a rearmed Germany.

The question of rearming Germany has not been a simple one. The Americans wanted it because, to a very large degree, German manpower could replace American in building up a European defence system. But the French and British feared German rearmament, because Germany might eventually turn its new-found strength against them. The French, particularly, wouldn't at first accept German rearmament unless German military formations were kept at so small a level — say a brigade strength — that they could be completely controlled by the staff of a European army. And the German government wouldn't agree to rearmament unless it had some control over its own forces.

Finally, a compromise was reached, whereby German units would be integrated into a European army at division level. Corps commanders would be from the European force as a whole, so that a German division might be brought together with, perhaps, a French, Italian, and Belgian one to form a corps. Even so, many in Britain and France are keeping their fingers crossed. The great skill and subtlety of German militarists in finally getting their own way is recognized. It is still feared that, somehow, once they have an armed force of their own, even one that is integrated in a European army, they will somehow find a way to use it for German, rather than European purposes.

## Another War

And West German purposes are different from those of the rest of Western Europe. There is little doubt but that a major goal of West German policy must be to get East Germany out of the Soviet grip and reunite the country. There is little doubt, too, but that the West German government is under great pressure from its own people to win back the country's pre-war eastern territories, which were lost to Poland after the war. And as far as anyone can see, the only way the West German government can do that is through another war. The question then is, with West Germany rearmed, will the country eventually drag the

rest of Europe into a war so as to regain territory for Germany?

Not only in Britain and France do many people feel that this possibility has to be watched, but Russia is apparently more worried about it than about anything else that has happened since the end of the last war. Consequently, the Soviet Union has proposed that West and East Germany be reunited, with foreign troops being pulled out. Free elections should be held, and Germany should be allowed to rearm, but should be pledged not to ally itself with other countries. In other words, Germany would be neutral in the cold war, but could maintain an armed force for its own defence.

This proposal, when made this spring, had a great deal of appeal. But on the question of free elections, Russia proposed that the four major powers — Russia, the United States, Britain and France — do the observing. The Western powers have proposed that the United Nations or a neutral commission do the job.

## Neutrality Impossible ?

Certainly, men like Anthony Eden, the British Foreign Secretary, have agreed that every effort should be made to get a united, democratic Germany if possible. But there is one big stumbling block. Even if a truly free election were held in Germany, could a truly neutral Germany be possible? Germany would still have strong nationalistic ambitions. It would still want some of the territory lost to Poland. Would it not play the Western powers against the Russians, and despite pledges, ally itself with whatever force could do it the most good? In the past, Germany broke so many pledges that it is still hard to take that country on trust.

These are the problems arising out of the West's decision to rearm Germany. The Russians may be prepared to go to desperate lengths to counter it. They are apparently ready to rearm East Germany, so that another situation similar to that in Korea seems possible. And Britain and France are unhappy at the "calculated risk" being taken in rearming Germany.

Some observers, especially in London, think no solution is possible while Russia and the West are in a state of suspended war. In a war, one looks for help and allies where one can. In this case, the West is looking to Western Germany. A sound solution could only come with a settlement of the differences between Russia and the West, a genuine end to Russia's potential aggressiveness, and a real world peace.



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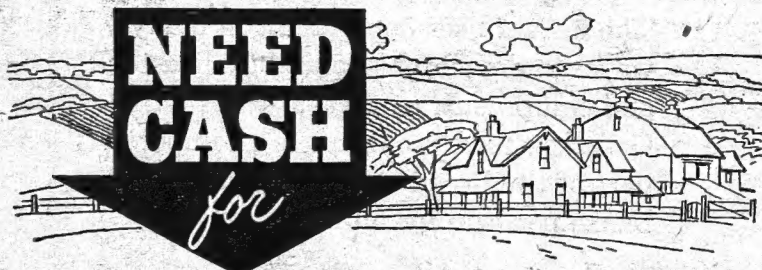
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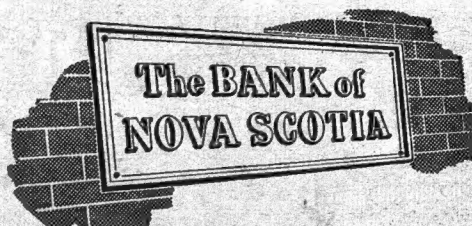


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## Bunkhouse Idle Hour



National Film Board Photo.

## Beware of the carnival swindlers! Here's how they rook the public

By CHESTER A. BLOOM

OTTAWA: — The most fascinating incident the writer ever witnessed at an exhibition side show was several years ago at the Ottawa Central Exhibition. A large, well-muscled lady with fiercely flashing black eyes was supervising a boa-constrictor swallowing a live chicken. A mousey little fellow, horror-struck by this biological view of a snake exercising his appetite declared loudly that the exhibitors ought to be jailed.

Whereupon the lady advanced upon him, step by step, thrusting her face in his, and shouted:

"I love to see snakes eat live chickens. I wish they were men. I'd love to see the snake eat a man. I'd like to see the snake eat you".

The little man fled hastily.

The thought is recalled by the experiences of two young scientists, Philip Pocock and John Templin of the government's National Research Engineers. For three years, the pair have been getting evidence against pitchmen cheating crowds at the exhibition side shows here. Repeatedly, they have been threatened with violence by operators of these alleged "games of chance".

Scores of people have protested that they were cheated out of large sums of money at the recent exhibition. The Ottawa Better Business Bureau is taking the subject up with the Exhibition Board. They report many cases of farmers who brought in their children to see the fair losing all their money trying to win a radio or some other big prize; dragging the children away crying because they didn't get any rides or see any of the fair.

But the Better Business Bureau has something more con-

crete — the evidence of the two government scientists. Their report was largely confined to the "pitch" and "ball" games. The ball games refers to the ones where the operator plucks a rapidly running numbered ball out of a groove or bouncing on a jet of air to announce the number on which the sucker has bet his money to pile up points for the big prize.

Every one, they found, was cheating the crowds.

But many other like games, such as spinning wheels of fortune, knocking over stuffed cats, dolls, or milk bottles; and even the popular Bingo were fixed at the fair, your correspondent has learned from another expert here.

Take the wheels of fortune, for example. It is true that some U.S. firms make a business of selling wheels that can be fixed by a foot-operated brake, and other crooked devices. But that isn't really necessary, the expert says. A swift-fingered operator with a small bit of chewing gum or preferably putty can fix the wheel of fortune at will. That's easy because the wheels are so nicely balanced that a fly at any point on the rim will unbalance them.

### Putty Weight

It takes an eagle eye to detect such a cheating wheel operator. If he turns the wheel slowly before giving it a hard spin, that's a tip-off to the wise for a fix. He's picking the right spot to stick a bit of putty on the back of the rim. When the unbalanced wheel stops at the losing number, with a mere flick of the finger he removes the bit of putty and the evidence is gone.

Let's hear from Mr. Pocock and Templin on their findings of the peg and running ball games; instead of balls, it may be little



ducks running down the channel or ping pong balls on the air jet. They are fixed by "thumbing" the numbers.

"The idea", said Mr. Pocock, "is to compare the ball numbers with the operator's score card. If you build up enough points you get the big prize. But on the score cards, the winning numbers have only two digits while the balls all have three digits. The operator places his thumb over one of the digits on the ball to toll the sucker along until he has played enough of his money to get near the big \$75 or \$100 prize. Then the operator stops thumbing the numbers on the balls, three digits keep turning up and the sucker loses.

"Suppose the operator picks a ball numbered 136, a losing number. He keeps his thumb over the 1; the customer sees only 36, a winning number. He keeps on playing, winning more points near to the prize when the operator simply stops thumbing, allowing the losing numbers to show up. Exactly the same system was used with numbered pegs over which the players tossed rings.

Templin and Pocock reported that in the three years they watched these games, they saw hundreds of people play them. "We never saw anyone carry off the \$75 or \$100 prizes," said Mr. Pocock.

#### Fast Counters

Sometimes the operators merely counted so fast that the ordinary confused players couldn't follow them on the score. "One night that we counted," said Mr. Templin, "we figured each of the pitch games was taking \$400 a hour over the counter. The only prizes ever paid out were trifles. Once Pocock remarked to an operator: "You have big thumbs; let's see the peg". The operator snarled: "Run along big boy; we're paying \$25 a front foot for this concession and we're not going to stand being bothered".

At another game, when he tried to take a picture, the operator vaulted over the counter, disappeared; came back quickly with a big tough who put his arm around Pocock's shoulder and tried to wheel him behind the tent. The bruiser desisted when the crowd began to take notice.

They watched a man nagged by his wife trying to win a radio. The man dropped \$20 in ten minutes at 50 cents a throw and walked away. Scores of such cases were also reported to the Better Business Bureau.

#### Weighted Dolls

Outside of fixing the wheels of fortune by the use of bits of putty, this expert says that most of the pitch games depend on mechanical means to fleece the unwary. Take the one where the players try to knock over stuffed cats or dolls with a tossed ball. The cats or dolls are made of strips of leather sewn together. Not only are

they weighted at the bottom, but the actual width of cat or doll is the exact width of the ball.

The leather, however, projects beyond the side seams where it is sewn together, and an almost unnoticeable fringe projects beyond that. Thus, though the cats or dolls appear to be set so close together that a ball can barely pass between them, actually a ball can easily be thrown through the fringe without touching the object itself.

Then there's the game where a tossed rubber ring must go not only over a peg but around the block in which the peg is set. True, the rubber ring will fit over the block with a little space between. The first gimmick is to have the pegs set a little below or above the eye of the thrower so that invariably the ring goes over one at an angle. But the ring has to be dropped evenly over the peg, squarely from above, or it won't go over the block, an almost impossible feat.

The game of knocking over the milk bottles or stuffed cats with tossed balls is another mechanical trap. The bottoms of the objects are so weighted that it is almost impossible to lay them down flat.

#### Ring the Bell

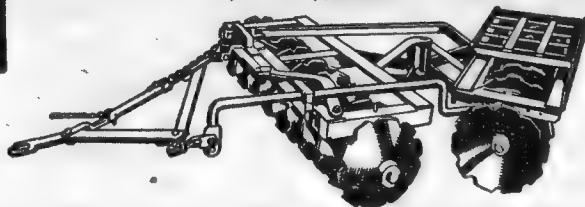
Even the game where the country boy likes to show his girl how strong he is by hitting a stump with a sledge hammer so hard that the weight flies up a graduated scale to ring a bell has its gimmick. It's the way the lever is placed between the stump and the weight which flies up the scale. The expert, a slightly built man, says he can always ring the bell using either arm to swing the hammer while a stalwart blacksmith exhausts himself trying. The trick is not to hit the stump squarely; rather, swing slightly behind it with the hammer and just before the blow hits, rake the hammer slightly toward you. This trips the gimmick and the weight flies to the top. "Stooges" work this to entice the country boys to try it.

#### Crooked Bingo

In fact, there is scarcely a side show that hasn't some trap about it to cheat the suckers. Even the highly popular game of Bingo can be, and frequently is fixed, at these shows. It can be done easily, says the expert. The operator merely has to be able to memorize six, eight or ten cards. In the modern bingo setups, the operators call the winning numbers from balls tossed up by a jet of air. When the time is ripe, he merely calls a number corresponding to one on the cards he has memorized which are held by his confederates in the audience. The crowd has its eyes fixed on the score board and not on the ball. The operator is careful not to do this too frequently; just enough to make sure that the game never loses on each play.

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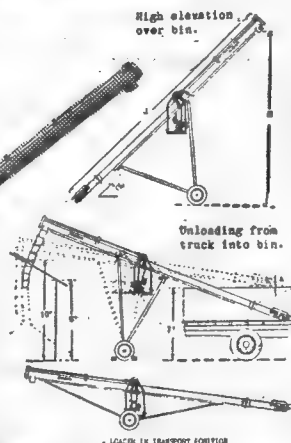
Slim Pickens, Ken Goen and Buster Heaton will supply the cowboy clown humor for this year's Stampede. Heaton's famed clown horse has been trained to do the opposite of all commands given to him.

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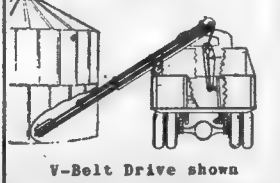
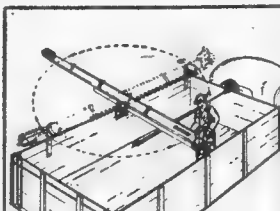
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## Who's right about the plow sole? Both sides could be, here's why

By JOSEPH PAUL

THE opinion is often expressed that a hard layer of soil develops just below the ordinary level of tillage. This layer, referred to as plow sole, is said to interfere with crop production by stopping the penetration of moisture and roots into the deeper soil. Tests and experiments can be quoted to prove that plow sole is an enemy of production.

Confusion arises when a person encounters just as many well considered claims that plow sole does not, never did, and cannot form under the climatic conditions of Western Canada. This can be proved just as conclusively as the opposite claim; and you may even find the same experimental institution quoted to prove both sides of the argument. There must be some misunderstanding and it is the purpose of this article to follow out some of the possible reasons.

Let's consider two fields: one kept in good tilth for two years or so and the other one in poor condition. May depend on farming methods

One field has been effectively summerfallowed. No moisture has been wasted since the crop was taken off in August. The soil which was dried out by the crop is moistened again to a depth of a foot or so by the next spring. Weed growth is not given a chance to use this moisture. The top soil is kept in good tilth and may be protected by trash cover.

By fall the stored moisture has reached a depth of 3 or 4 feet. Then the ground freezes and the moist soil expands as it freezes. In the spring when the frost goes out the soil contracts; but it has been loosened by the process. Try driving a loaded truck through such a field and you will find this to be true.

Now consider a field which was summerfallowed but didn't get done until after it was dried out by weeds and volunteer grain. The weeds develop again in the late summer and fall. When winter comes there is not enough moisture to expand the soil when it freezes. This field will not be changed or improved by the action of frost and a hard layer may be forming near the surface to resist the penetration of water.

It should be emphasized here that plant roots will not grow into dry soil—not even through a thin layer of it; but if moisture is stored evenly throughout the top 4 to 6 feet of soil, a grain crop will usually develop roots to that depth.

The root material distributed by the crop and weeds helps to improve the properties of the soil and make it absorb water more readily. The long stubble left by a good crop holds more snow and makes a better trash cover than the light stubble of a poor crop.

Every way you look at it, the field that has more moisture is able to add to its supply and the one that is dry gets worse. Or by the late Sir Harry Lauder's



version: "The rich get rich and the poor get poorer."

Thus the ideal soil structure which results from alternate wetting and drying, freezing and thawing, growth and decay, may be developed in one field by careful farming regardless of the depth of tillage; while in a neighboring field the formation of a plow sole may become noticeable as a result of poorer management. That is one cause of misunderstanding.

The comparison of the two fields which have been described, would hold

May depend on the weather good on many loam or clay soils

through seasons of medium rainfall. But in wet seasons the subsoil usually becomes moist regardless of the way the land has been farmed. On the other hand a series of dry years, such as experienced in the '30's and at other times, might leave the subsoil dry and hard in spite of careful farming.

The nature of the rock material from which the soil is formed helps to determine whether or not a plow sole layer will form. These variations are sometimes noticeable in different parts of the same field but are more likely to occur from one district to another. All of these complications add to the confusion regarding plow sole.

The points mentioned so far suggest deep tillage once every

What is benefit under some deep tillage? conditions and especially on soils that

tend to form a hard layer quickly. A good many successful farmers follow this practice without even thinking of it as deep tillage. The possibility is also suggested that other farmers may keep their fields in good condition by other means. Confusion always arises when two people start talking about deep tillage. One person will talk about giving a field "a good ripping up" when he is plowing 3 inches deep. At the same time his neighbor may apologize for working "a little on the shallow side" while plowing 5 inches deep.

So far no mention has been made of soil air. It is known that air must be let into the soil to some extent to support the growth of bacteria. However, when we note this process goes on quite effectively in the sod of old meadows and under natural prairie conditions, it appears the normal condition of the soil allows sufficient circulation of air. It is very doubtful if increased air circulation should be the aim of any tillage operation; but maintaining a good soil structure is no doubt essential to that end.

The recent use of deep tillage implements has been so general, they cannot be ignored in this discussion. The "new broom" theory

Some really good farmers have told of excellent results they are obtaining from breaking up the plow

sole by deep tillage. I have no reason to doubt their reports. It has been noted, however, the purchase of any new implement usually results in an improvement in tillage.

At one time we did a good job of farming with a plow, a disc harrow, some diamond harrows and an ordinary cultivator. Since that time many new implements have been added. The duck-foot cultivator, the rod weeder, the sub-surface packer, the one-way, the blade, and the chisel have been introduced; and each has brought about "revolutionary changes" in tillage methods.

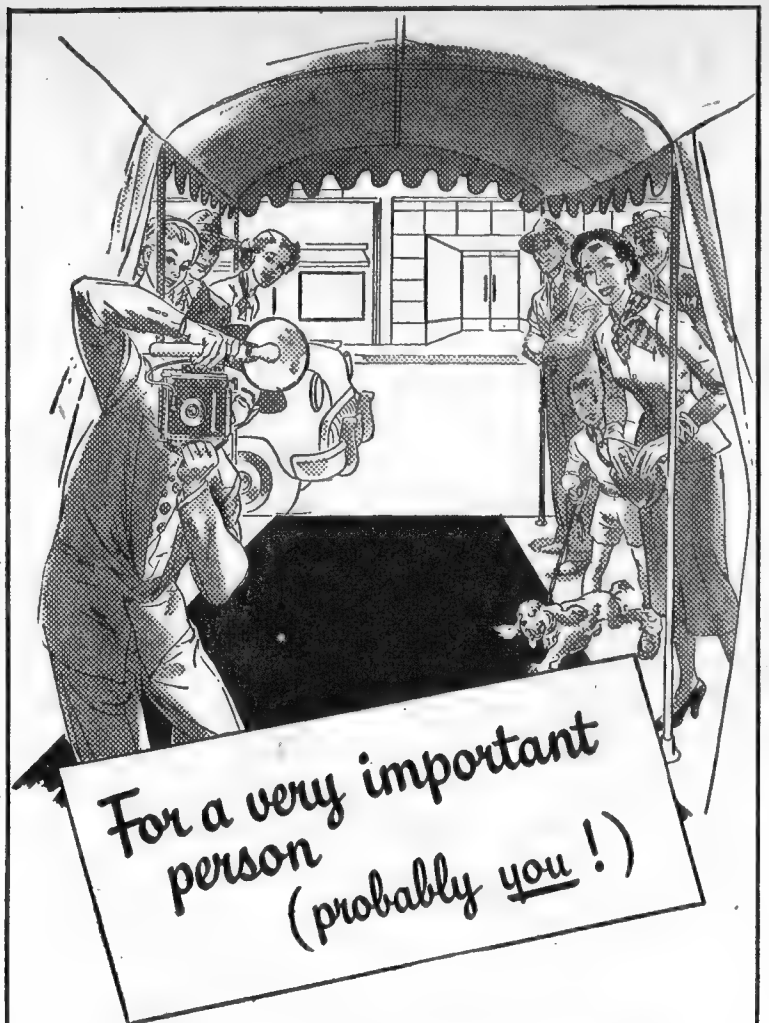
Surely with the combined effect of all these improvements we must have passed the state of perfection long since. Could it be that a new broom sweeps clean? Could it be that giving a man a new implement stimulates renewed interest in tillage, the same as a new stove stimulates new interest in cooking? From my limited observation I would say that it does. Moreover, the general condition of prairie farming is such that more thorough tillage is bound to give good results regardless of plow sole.

## Farm machinery safety hints

ACCIDENTS with farm machinery are bound to happen from time to time. Statistics show that most accidents could have been prevented by the awareness of the danger present and thoughtful action on part of the persons concerned.

Careless action, loose clothing, or lack of proper shields are the chief causes of people becoming entangled in moving chains, belts, gears, revolving shafts, or cutting edges. The repair or adjustment of machinery while in motion, or in the danger of being put into motion, leads to many other serious injuries. The awareness of the sources from which a machine or part of a machine may be put into motion will prevent many injuries. Such things as, horses starting on their own, a helper engaging a clutch, or moving a lever, or starting a motor, or turning a shaft, a sudden release of tension or compression, a tractor and machine sitting on a slope, the upsetting of a balanced load, the improper support of machinery during repair, are some of the common causes of sudden unexpected motion.

If a machine is meant to be ridden, generally it is supplied with a seat. A seat also indicates the safest place for the operator to be when the machine is in motion. This includes the job of hitching to implements with tractors. Implement hitches should be properly blocked up so the operator will not have to get off his tractor while backing up.



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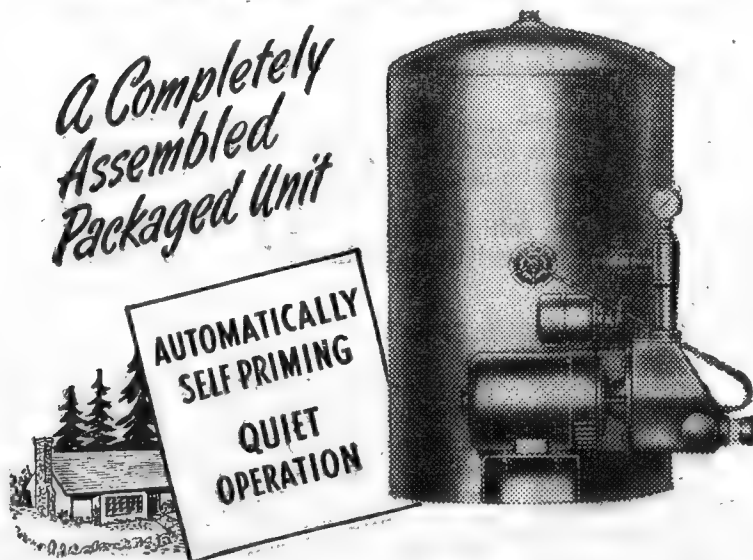
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THE CANADIAN FAIRBANKS-MORSE CO. LIMITED

## Time Out for Fun



It is not all study and work at the Banff school of fine arts. These students are taking time out for fun on bikes.

## They had the wool boom now they've got the bust!

By LEONARD D. NESBITT

**A**USTRALIA rides on the sheep's back". That nation is the largest wool exporter in the world, and returns therefrom provide the backbone of her economy. The sheep population there averages about 112 million head, one-sixth of the world's total. Wool production runs about a billion pounds a year and the surplus provides about one-half of the world's trade in that commodity.

The soaring price of wool in world markets following the outbreak of the Korean war, brought about the greatest boom in Australia's history. The best quality wool, which sold for 52 cents a pound in 1939 and was around \$1.00 a pound in 1949, went up to \$1.76 a pound in June, 1950, to \$2.52 a pound in September, 1950, and then soared to a peak of \$3.38 a pound.

It is calculated that Australia's wool clip in the year ending June 30, 1951, brought a return of \$1,650,000,000 to 180,000 sheep farmers. That sum was 3 times the return from wool sales in that country as in the previous year, and was an all-time record.

### Big Splurge

Needless to say, the enormous sums of money released from wool sales in Australia brought about substantial inflation. Sheep were herded from \$5,000 sedans, sheepmen bought planes for pleasure and indulged in a reckless spending spree. The Wall Street Journal said that wages on some sheep stations went up to \$90 a week, which was the equivalent of \$140 in the United States. The government of Australia was compelled to take 20 per cent of returns from wool sales as prepayment on taxes and as a measure to curb further infla-

tion. Public savings soared to \$2 billions.

Much of the world's buying of wool was for army uniforms. After such wants had been fairly well supplied, the price of wool began to slide. Argentina and Uruguay held large stocks for even higher prices. It seems that President Peron of the former country overhauled the market and has recently been sloughing supplies, which has accelerated the decline in price. At the present time the world price of wool is getting back to a pre-Korean war range.

This situation has had a sobering effect on Australia. Extensive buying in the past year resulted in imports of close to \$2.8 billion, and export income was around \$1.5 billion, leaving a deficit of \$1.3 billion. Australia's overseas reserves, which were \$1.9 billion at the beginning of the financial year, will likely be down to less than \$670 million at the end of the year. The government has imposed import restrictions, which call for a cut of 50 per cent, such being applied against the United Kingdom as well as other countries.



"Well I guess that means we'll have to recruit a new lion tamer."



### Consumers Scared

Even in the height of the wool boom there was some apprehension as to the reaction of consumers. Many authorities on wool claimed that that commodity would continue to be the standard of quality in clothing. These people are not so sure now. The synthetic industry has grown by leaps and bounds in the United States. In 1931 production of synthetic material in the U.S. totalled 8 million pounds and by 1942 it had increased to 2 million pounds. The high wool price gave it another fillip and production may have reached 10 billion pounds a year. A large percentage of summer clothing worn by Americans is now composed of synthetic fabrics mixed with a little wool.

### Shackled Too Long

High wool prices caused a slump in the carpet industry in the U.S. last year and impelled manufacturers to turn to synthetics. The head of one big carpet industry remarked: "This business has been shackled to sheep too long and wool has given us a rough ride." Within 6 months the carpet wool had jumped from 85 cents a pound to \$2.30 a pound. Rather than be priced out of the market, manufacturers swung to synthetics which, they claim, wear as well as wool, are easier today and stay clean as long. Last year 30 million pounds of nylon were used in the carpet industry, as compared with 12½ million pounds in 1950. Carpet makers maintain that this trend is the biggest change since the carpet power loom was invented over a hundred years ago.

The Australians and wool growers in other countries are apprehensive over the trend, but not disheartened. They claim that no fabric can completely replace wool. They point out that at the end of World War II, the wool board established by the allied nations had in its hands a total stock of 4.4 billion pounds, which was a tremendous reserve. However, that huge supply was worked off through judicious marketing until there was virtually none on hand when the Korean war broke out.

On the other hand the development of substitutes cannot help but ham the wool market. Prices just went too high. When such a thing happens, there is always a search for a substitute. Wool consumption during 1951 was 18 per cent below that of the preceding year. Australians who flocked into the sheep business, neglecting dairying, grain and meat production are possibly changing their minds at the present time as to the outlook for a return of boom conditions in wool.

### Going, Going . . .

In Berlin, Conn., Mrs. Walcott S. Brown, auctioneer at a rummage sale, discovered too late that she had sold her own coat to a \$2 bidder.

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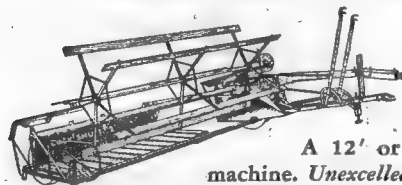
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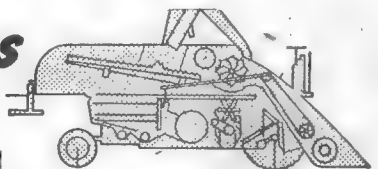
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## What does your handwriting reveal?

Are you a natural-born salesman or would you make a better mechanic? Have you got hidden talent for art, cookery or stenography? Would you be interested in getting the verdict of an expert on the character your handwriting reveals?

The Farm and Ranch has arranged with Mr. David Meyer, the author of this new and regular feature of the Farm and Ranch, to analyze the handwriting of its readers. Here are the rules:

Write at least 12 lines with pen and ink on good paper. Do NOT — repeat — NOT use a ball-point pen or pencil. Send it, together with 25 cents in coin: —

DAVID MEYER.

7½ Jane St., New York City, New York, U.S.A.

Do not send stamps and always enclose a self-addressed envelope.

## You can play detective with handwriting samples

By DAVID MEYER

I THINK it will be pertinent in this age of wide-spread interest in detective stories, thrillers and "whodunnit's" to devote a column to criminality, deceit and dishonesty as manifested in handwriting.

The samples to be cited will by no means cover the whole range of human temptation, evil and duplicity. Such a task would require several fat volumes. In this age of relativity, even the question of morals has come to be considered in the light of circumstances, pressures from within and without, and unconscious drives of which humans are too often not aware until after the misdeed has been committed.

The more common types of criminality and misdemeanor will be considered. And always it must be remembered that no one feature in handwriting carries any decisive weight of and by itself, but, rather, it is always a complex of features that tells the story.

As was pointed out in a recent article, one of the writing traits that describes forthrightness and straightforwardness is the straight and even line of writing from left to right. What would a wavy line indicate?

Taken by itself, a wavy line of writing might suggest sensitivity, indecisiveness or irritation. It might be temporary, due to upsetting conditions at the time of writing, or it might be a permanent constitutional trait.

Suppose that the wavy line is combined with tapering or snaky word endings like this:

*Summer*

The time has come to be alert and take notice. The writer is cunning, concerned with self-preservation at any cost, and will resort to devious devices to get what he wants.

Suppose further that you also find open a's and o's in the writing. Your alertness should be sharpened, for the writer is glib

and talkative and will try to distract your attention from his plot by a flood of plausible argument.

Let us go a step further and to the traits of wavy line, tapering or snaky word endings and open a's and o's are added speed, strong pressure and marked right slant. The writer should have you quite worried by this time. For to the character elements of cunning, deviousness and glib plausibility are added intense impulsivity, strong willfulness and headlong urges.

Still another step. You notice that with these writing traits are found heavy t-bars and heavy down strokes. You are justified in reaching for the telephone for the writer is brutal and susceptible to uncontrollable flares of anger.

Final step. You note that the writing has a's, o's, u's, and g's open at the bottom like this:

*a, o, u, g*

You are justified in phoning the police, for the writer is a hardened criminal.

The wonderful Englishman, Dr. Robert Saudek, who died only a few years ago, studied the handwriting of criminals in the prisons of England, France, Germany, Belgium and Switzerland over a period of years. He found that one-third of the criminals in each nation wrote a's, o's, u's, and g's open at the bottom.

What is the reasoning behind this fact? Modern Freudian psychology has shed light where darkness prevailed heretofore. You will recall my article on the three zones and their meanings. The lower zone is the realm of the unconscious where the anti-social urges and desires are repressed by our moral and ethical upbringing. The opening in the bottom of the a's, o's, u's and g's tells us that the writer has not succeeded in repressing his anti-social impulses and desires. Rather, these criminal impulses are

1952

1953

1954

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1967

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alive and urgent within him. He needs but a passing temptation or a temporary frustration to unleash these forces of the unconscious for anti-social and criminal action.

Of the writing traits mentioned, the most telling and dangerous is the a, u, o, and g open at the bottom. But even this trait, when found alone, may indicate susceptibility to anti-social acts rather than criminality. Even this trait must be found in combination with at least one other dubious trait to justify suspicion of criminal potential.

For instance, the excellent American graphologist, De Witt B. Lucas, attended a party at which he was persuaded to read the handwritings of the guests. He asked whether he was expected to pull his punches. He was assured that his interpretations would be taken with the best intentions, so he proceeded to discuss the samples honestly.

He paused after reading the sample of one man and said: "I don't know you or what you do for a living. But one of these days you are going to commit a crime — probably large-scale stealing."

The man and the guests burst out laughing. He was a reputable officer in a local bank. He was married and the father of several children. He was a pillar of the town church. Well, ten years after the party the banker was indicted and sent to prison for juggling the bank's funds over several years to the tune of several hundred thousand dollars. The man's writing was characterized by open o's, a's, and u's, a snaky line, and tapering word endings.

The other day I was at the post office and looked over the posters of men wanted for various crimes. I noticed the signature of one wanted for committing fraud through the mails. Here is how he wrote his name:

*Emmanuel*

Note the following writing traits. The capital E is written large away out of proportion to the rest of the word. This tells us of the writer's enormous conceit and uncontrollable imagination. The curlicue at the bottom of the letter reveals his childish vanity. There is the wavy line, betraying excitability and lack of firmness. Finally, note the heavy and aggressive ending to the letter l. It is shaped like the palm of the hand closing over an object. The man has an itch for taking and grabbing. Combine conceit, vanity, imagination, excitability, lack of firmness, and the urge to appropriate, and you have a confidence man who collected money through the mails from gullible customers for top priority tooling machinery which existed only in his fevered mind.

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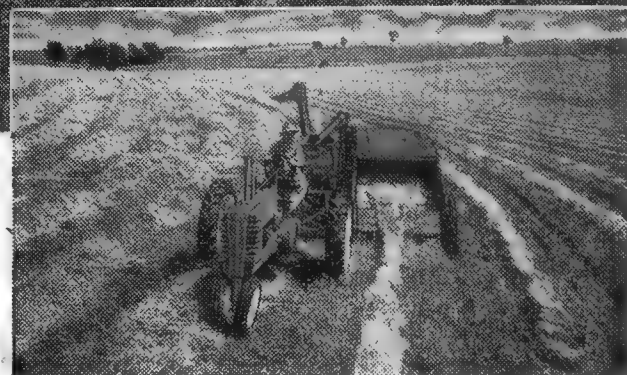
Second, John Deere Combines have an abundance of capacity in cutting, threshing, separating, and cleaning units. There's no crowding, no overloading—every unit does

its job smoothly and with clocklike precision.

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## Having plagued the farmers, the mice have moved to town

By KERRY WOOD

**D**ID mice swarm over your farm during the past six months? Did they destroy a third of your crop? And did you learn anything about controlling their pestulent numbers?

By the time this appears in print, the last of the '51 crop will be harvested and millions of mice that bedevilled that crop may be dead, destroyed by nature's own plague-control system which defies our human understanding. As this is being written during the first week of May, mice are still thriving in almost every farm field. But I remember what happened during the '42-'43 rodent plague, when mice died off mysteriously during May and June. Here's hoping they are defunct by the time this is published.

The animal involved in the short-tailed meadow mouse, properly known as a Vole. There are nearly 80 varieties on this continent, with the Drummond's Vole (*Microtus drummondii*) being the type swarming over the prairie provinces. We also have the Yellow-cheeked, Prairie, Richardson's, Pallid, and the forest-dwelling Red-backed Voles, but the Drummond animal is the numerous pest.

In size, they are around 4 to 5 inches in total length, with 1½ inches being the stubby tail. They usually live in spherical nests of grass screened by grass or small shrubbery, though they do burrow underground during our winter season. Grass is their favorite fare, with grains and green vegetation next in importance on their diet; they will even devour flesh at times. Each Vole consumes about 30 pounds of food per year, thus 100 mice eat 1½ tons of grass and grain annually. And we know that, during the peak period of a mouse plague, there are apt to be thousands of Drummond's Voles on every farm.

Swathed grain covered with snow suffered less than stooked sheaves, as the mice lived under many stooks and climbed up inside the bundles to plunder grain they could reach. They probably spilled and wasted as much grain as they actually ate. Edges of grain fields were the hardest-hit, as mice ranged into the borderland from surrounding grasslands where they normally live. Grain stored in field granaries suffered too, while the few farmers who stacked their sheaves reported that the bundles were ruthlessly plundered by mice.

### Worst in Alberta

Alberta seemed more seriously affected by mice than either Saskatchewan or Manitoba. Some districts escaped unscathed,

while mice swarmed on farm fields only a few miles away. The whole infestation was extremely spotty; for example, one Red Deer farmer reported a 50% loss to mice in one field, yet across a ridged fence, his companion field seemed almost free of mice. The little rodents scattered widely after the spring thaw, with numbers invading towns and cities during April.

This particular plague covered a much larger area than the peak mouse period of '42-'43, but farmers who were affected by both plagues agree that the Voles were much more numerous in concentration areas during the earlier plague. So far as is known to the writer at this time, the '51-'52 plague produced no cases of skin disease called Mouse Ringworm or Mouse Exzema among farmers handling the mouse-infested grain. This irritating skin infection, caused by a mite living in the fur of mice, was very prevalent among Alberta farmers during the '42-'43 plague.

Once again, farmers confessed to helplessness regarding their own ability to effectively combat the mice. Some tried setting out poisoned grain, but while they counted dozens of dead mice near the lethal bait, they readily admitted it would be impossible to put out enough poison to protect the whole crop area. And by the time farmers were aroused enough to set out poison, the worst of the mouse damage had been done.

### Don't Kill Weasels

One farmer shot a weasel near a granary, then made the interesting discovery that the animal had been living under the building and had piled more than 70 dead mice near the entrance of its burrow. Needless to add, that particular farmer has decided not to kill any more weasels. Only a few weasels indulge in this victim-piling habit, but think of the hundreds of thousands of mice the lustful killers must destroy during a plague year. Unfortunately, farm boys and others had already trapped so many weasels for their \$2 pelts that these useful predators were scarce in mouse-districts.

When hawks first arrived back from the southland, farmers saw the birds catch many mice. Owls were noted ranging across the fields at dusk, and it was easy to guess at their mouse-killing intentions. Both the black-headed Franklin's Gulls and the larger Ring-billed Gulls, which follow the spring ploughs were often seen darting earthward to peck at and kill mice, while even the much-maligned Crows took their share of the destructive rodents.

A few farmers said they considered the anti-coyote drives



had greatly helped the mice, because it is known that coyotes prey heavily upon all forms of wild mice. However, the majority of farmers seemed to be solidly against the coyotes, while the skunk's mouse-killing activities did not alter the majority opinion prejudiced against that animal.

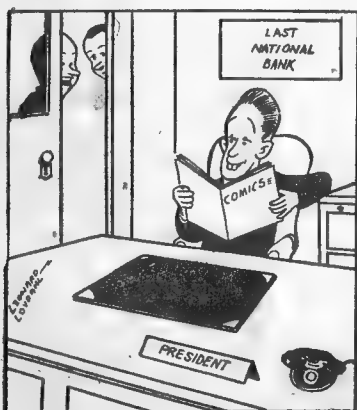
The extent of the mouse damage is difficult to tabulate, but certainly the little animals cost prairie farmers several millions of dollars in yield-loss during the past harvesting season. In some areas, farmers blamed the Voles for causing a 50% loss. A more conservative and probably more accurate average loss throughout the affected areas would be 20% of the winter-exposed crop.

Farmers ask: how closely spaced are mouse-plagues? Well, it is now known that mice numbers reach a high peak every four years, but really abundant peak periods when they swarm over the countryside as during the past six months occur at greater intervals, usually ten to twelve years apart.

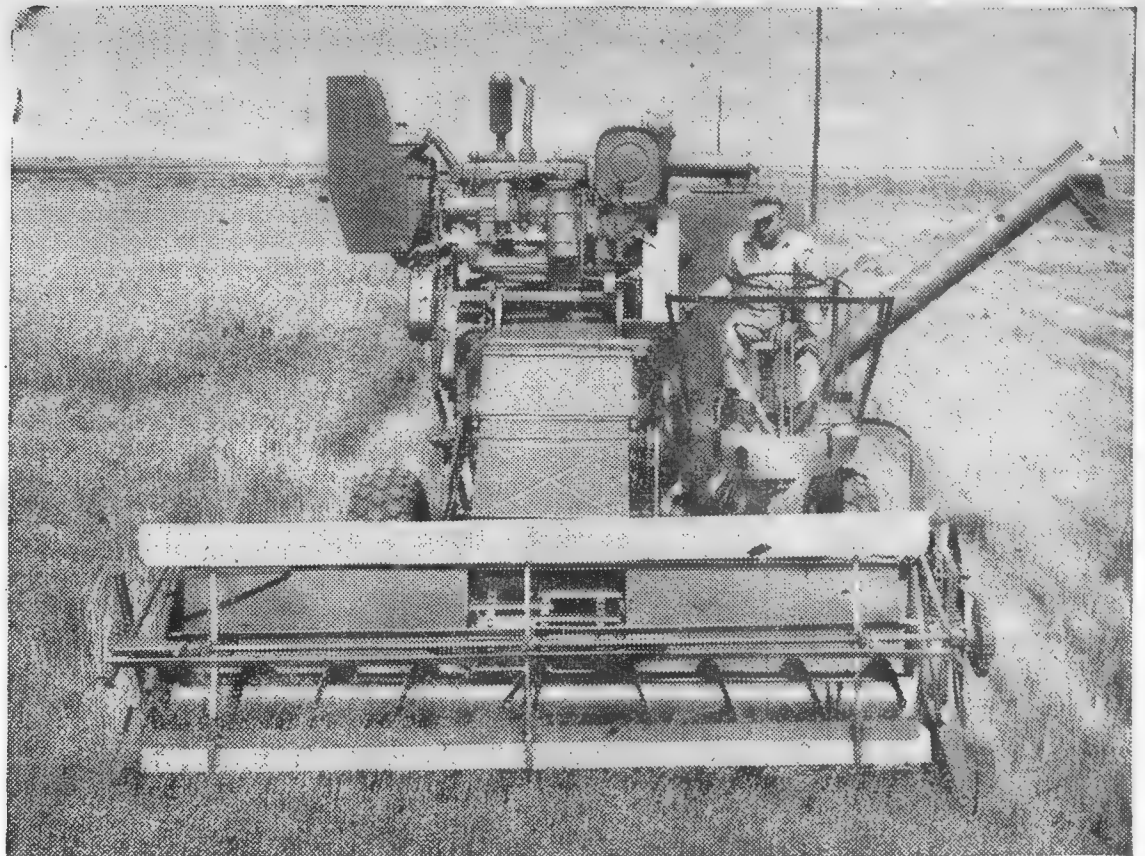
As for recommendations regarding mouse control, some of us believe that the time has come when weasels, the greatest enemies of destructive field-mice, should be given full protection from trapping and shooting in farm districts. Weasels are undoubtedly our very best allies in the continual fight to control the numbers of mice, rats, pocket gophers, and ground squirrels. It is also recommended that all the summertime hawks be rigidly protected, as these birds help farmers by preying on the whole rodent assortment of villains abroad by day.

#### Hawks Help

The harmful hawks pestering poultry flocks are more apt to visit settlement areas during winter months, so it would be a good thing to prohibit hawk-shooting from April to October, inclusive. We should recommend a similar protection for owls, as the only bad member of this useful nocturnal family is the Great Horned Owl which is more likely to pester farm poultry during the winter season. Nature's police force remains the only effective controls we have on our side to help us combat the menace of mice.



"Sure he's green at the job—he just won this place in a soap contest."



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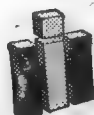


tangled crops. Full width, straight through flow, from cutter bar to cleaning sieves, saves all the crop, putting extra dollars in your pocketbook. Finish your harvest faster and do it better with the biggest of the six-footers—a McCormick No. 64 Combine.

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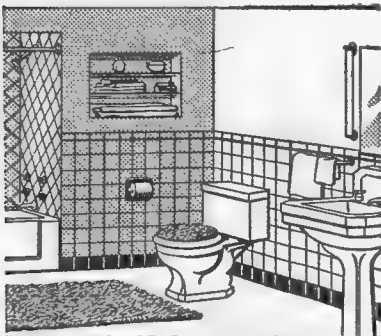
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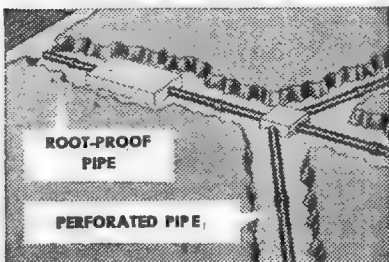
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**DOMINION TAR & CHEMICAL  
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# The Alberta canning king who gambled and won

By C. FRANK STEELE

"YOU grow 'em, we'll can 'em." That's what "Bob" Broder of Lethbridge, told the Southern Alberta irrigation farmers when he entered the canning picture in the region and he meant what he said. A thick-set, direct, determined sort of chap, Broder knew the canning business through practical experience on the west coast, where he was born and raised, and he soon had the growers convinced there was money in canning crops.

The farmers are still raising peas, beans, corn and several other vegetable crops for his busy Lethbridge plant, one of the largest in Canada. He probably has half a million or more tied up in processing facilities included in his quick-freeze unit in North Lethbridge, and in addition has several farms which he runs as a sideline. Of course, their production fits into his manufacturing program for "Bob" Broder is a canning man. "King of the canners," one of the growers out from Lethbridge called him.

### Big Spread

Today there are canning factories at Lethbridge, Taber, Magrath and Brooks, not all Broder's, of course, but he cuts a big swath in the general picture. He was the pioneer in the field, had his ups and downs, but stuck with the ship and put canning on a firm basis in the Lethbridge country, which boasts it is the "Food Basket of the Prairies." And points to its sugar factories, canneries, macaroni factory, pickling units, mustard fields, mills, etc., to prove it. "It's the air, soil, sunshine and water that does it," they say in the canning belt.

Doubtless the food processing business is the most important and highly developed phase of horticulture in Southern Alberta. I. L. Nonnecke, specialist on the staff of the Dominion Experimental Station at Lethbridge, says so. And he is a pretty good authority for in addition to past contributions to agriculture and the processing industry, is a new, early-maturing commercial tomato developed at the Station and which holds great promise.

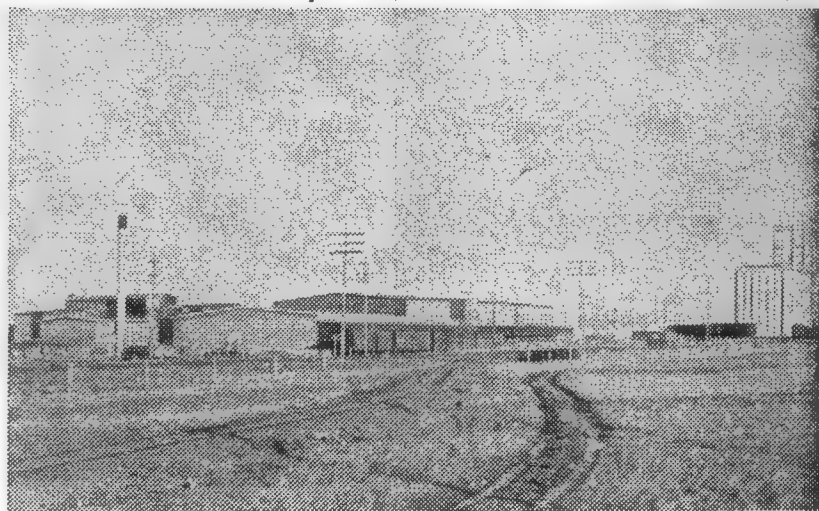
It was in 1934 that the first vegetable cannery went into operation at Taber, 35 miles east of Lethbridge on the Crow's Nest line of the Canadian Pacific Railway. Taber is served by an established irrigation project and has a long growing, frost-free season as a general rule. At that time little was known of the possibilities of canning in the area, the soil and climate and the variety choice was limited at first. It was experimental, but "Bob" Broder had faith in the country and today canning forms an integral part

of the agricultural economy of the south, the four plants utilizing the production from some 15,000 acres represented by contract growers with fields of from 15 acres to 30 acres. The returns from vegetable crops add greatly to their income.

### High Quality

Quality marks the South Alberta vegetables. The cool nights and bright, sunny days tend to produce a high-grade product. The growers are organized now and are getting a better price for their products. The Experimental Station is geared to assist the industry

### Here's the Cannery that Broder Built . . .



with studies in cultural methods, adaptation and the nutritive merits of various varieties.

Much of this impressive development revolves around Robert Broder, a former Californian who early moved north along the coast, first to Mount Vernon, Wash., and later to Vancouver Island. His boundless energy, sound judgment and bold approach impressed influential businessmen in Victoria and the story goes he got the backing necessary to venture into the canning business on his own at New Westminster, then Edmonton, where his plant did not go so well and was closed, and finally in 1934 at Taber.

Broder's pioneer plant on the eastern outskirts of Taber, struggled along until the war brought a skyrocketing demand for food products. Armies at home and abroad had to be fed, likewise those on the home front. The Taber plant soon proved inadequate to handle the orders that came pouring in on the firm and a second plant was built at Lethbridge. Later, during the war a dehydration unit was built, the output going to the British Food Ministry.

### Real Success

The Lethbridge factory was a success from the start. The twin-setup handled field-fresh peas, corn, carrots and pumpkins. Soup products for large eastern processors were pro-

duced, the freezing unit was added and the Broder Canning label became familiar across the plains and north to the North West Territories. Three hundred or more farmers were put under contract, hundreds of hands found work in Broder's Taber and Lethbridge plants, among them, during the war, many Japanese from the coast. They proved good hands during an acute labor shortage.

The annual value of the vegetable pack was about \$2 millions in good years, roughly half the returns going to the growers. The Taber plant turned out around 9,000 cases during the 24-hour period and Lethbridge 12,000 cases. Following the war the Taber factory was sold and is now owned by Cornwall Canning, a Safeway subsidiary.

Robert Broder gave encouragement to the mechanization of the canning industry and today field operations are handled by machines speedily and efficiently. The vegetables are moved with despatch from field to factory being where immediate processing makes for a quality product. Within four hours peas are in the can once the pea mowers and viners and trucks go into action. The peavines are cut, hauled to the viner, shelled, loaded on the trucks and speeded to the nearby plants ready to handle them. Mechanical loading saves a lot of back-breaking work because the pea vines are very heavy to load by hand.

The future of the canning business in the irrigated areas of the south is bright. It is true corn growers lost most of their crop by frost last year, but that is unusual and this year's program will be little affected by that sad experience.

And Robert "Bob" Broder, the Canning King, is making preparations for another busy year. Business is both his job and his hobby. He has one son and he's already learning the business from the ground up. Canning by the company is now confined to the Lethbridge plant but Broder's "empire" reaches out into all sections of the country. He still tells the irrigationists:

"You grow 'em, we'll can 'em."

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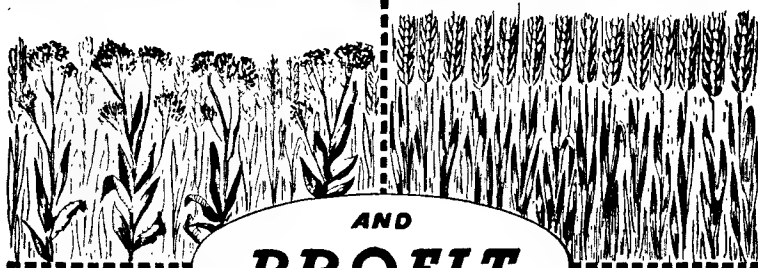
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## What can you do about trees out of place?

By H. F. HARP

WHEN we build a house we have a definite, well-thought-out plan drawn up by a competent architect and usually carried out to the letter. Plans for the landscaping of the grounds, however, are often lacking entirely or hastily sketched at the time of planting. A good deal of wasted effort can be saved if more thought was given to the proper placement of shrubs and trees about the home. Quite often a tree is planted in a spot where, in a year or two, or perhaps is too close to the sidewalks or house itself.

The ideal plan is one that can be drawn up when the house is built, merging the whole area into one unit. When this is possible we have a harmonious balance between house and surroundings that is pleasing. In old-established homesteads where this harmonious effect is not evident, much can be done to improve discordant features by slight changes to the building itself as well as by re-arranging the plantings.

The first consideration is the overall plan—what you hope to accomplish over a period of years. Most home-owners are too concerned with a quick effect in the front or public area. Often the result is a sprawling mass of shrubbery that has to be taken out after a few years.

Regardless of the size of the property, the basic principles of landscaping are the same. The aim should be to keep the plantings in perfect balance and harmony with the house; to make full use of any natural features such as undulating ground and natural tree plantings.

#### Well Defined

After the boundaries have been defined, by fencing or planting hedges, the garden should be divided into three areas, namely, the front or public area; the service area where facilities for drying clothes and garbage disposal are provided, and most important the private area where we can spend leisure hours in comfort.

The public or front area usually faces a road. A few well placed shrubs about the foundation of the house, a tree or two at the corners to frame it, are about all that is required. Large properties will have limited shrub plantings in front depending a good deal on the distance the house is situated from the highway.

The foundation plants should include evergreens, Mugho Pine, Prostrate Juniper, Pyramidal Cedars, will be found satisfactory.

The desired effect is one with open lawn area, a few well-

placed trees framing the house, a specimen shrub or two where space is available, and where they will not obstruct the view.

The foundation planting will vary with the type of house to be treated. Tall houses are most difficult to blend into the landscape, especially when built on narrow lots. Massed shrubbery plantings at the corners will do much to improve the appearance of such a house. Low bungalow-type homes are easiest, requiring a limited number of specimen shrubs to give the right effect.

Low-growing shrubs are planted under the windows, the corners and entrance are accented with taller growing specimens — so much for the front area. The service area is obviously needed close to the house, but should be separated and obscured from the private area.

The private garden area is where the special features will be found. More and more thought is being given to the development of these areas for comfortable living. We see a good many articles and pictures in the magazines for the home these days on the subject of Outdoor Living Rooms.

Small properties may be laid out to include these special features, when well planned they add much to the enjoyment of the garden.

A small pond can be a source of interest and enjoyment attracting birds and providing a home for a few water lilies and other marine plants. Bird baths and sun dials may be used as focal points in the private area — never in the public area. They must be in keeping with the surroundings. A white archway is often seen stuck up in a garden—serving no useful purpose and usually an eyesore.

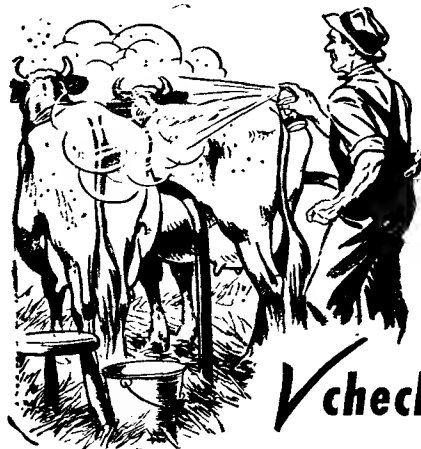
#### Avoid Granite

Rock gardens are picturesque when constructed with taste and skill. A few well-chosen pieces of limestone are more effective than a heap of roundish granites. Undulating ground simplifies the task of making a Rock Garden. A few evergreens make a good background for a rock garden. Dwarf types of evergreens may be used effectively in the Rock Garden itself.

Where there is room for vegetable growing an area separated from the private garden is devoted to this phase of gardening. A hedge or fence, the latter supporting vines will be useful in making the dividing line.

The perennial and annual plants used for the colourful summer effects of the private garden can best be shown off against a background of shrubbery, or a fence. Annuals are best grown in beds and borders by themselves rather than in mixed plantings with perennials.

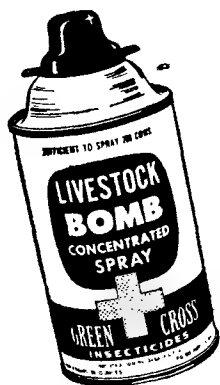
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The reserve garden is a portion of the vegetable garden where flowers are grown to be used as indoor decoration such as Gladioli, Sweet Peas and other annual plants suitable as cut flowers. Better specimens are grown where space is not restricted and they may be cut without fear of spoiling the general effect.

The main features of a well planned garden are: A good lawn, trees and shrubs in proportion to the size of the property, and, as far as possible, the style of the house. Outdoor features and furnishings that have practical application to gracious living. By careful planning and planting these things are possible.

#### SEASONABLE HINTS

##### Peonies

Peonies that require stakes should have these set in place now, before there is danger of damage by wind or heavy rains.

Growth has been rapid, due to the hot weather, so that the plants will probably bloom well in advance of a normal season.

Four or five stout willow stakes will give ample support—binder twine serves well as a means of tying the plants to the stakes.

If extra large blooms are required some thought should be given to disbudding the growths as soon as the buds are the size of peas. The centre bud is the largest and should be retained, removing the surrounding ones. The operation of disbudding is best carried out in the morning hours when the plants are turgid.

Immediately after the blooms are spent the supporting stakes and twine should be removed, the old blooms cut off down to the first leaf. It is wise to preserve the foliage intact so that the plant can build up strong shoots and flower buds for next year. At this time the plant will benefit most from an application of fertilizer. A handful of ammonium phosphate (11-48-0) should be scattered about the base of each plant and lightly raked into the surface of the soil. If dry weather prevails, give the plants a good watering so that the fertilizer will be readily available to the plants.

##### Lilacs

The Lilacs have made a brave showing despite continued heat and drought. At the first sign of fading the blooms should be cut off as the burden of seed production will add to their discomfort. Rain is badly needed to build up flower buds for next season's bloom. Being shallow-rooted plants they will respond to a mulching of lawn clippings or similar material placed about their roots before the heat of midsummer strikes them.

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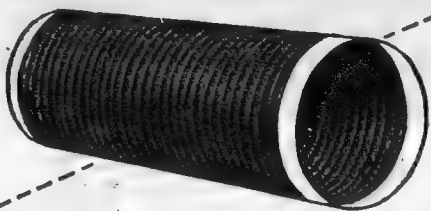
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## Almost stuck

I REMEMBER living by a lake along which there is a bar of sand and mud, something like quicksand only not quite as bad. Every year in duck hunting season I would go out on a saddle horse and get ducks out of the middle of the lake. This time I had gone out in the lake along one part of the bank and was coming out along another. As the water got shallower the horse seemed to be having trouble walking. Soon I could tell she was sinking and it was not long before she was in mud and sand around her knees. Then shortly she was in mud clear up around her stomach and I could just about walk right off without touching her.

She struggled frantically moving only a few steps before tiring out. Although she was very excited, I had to urge her on and by the time she hit more solid land she was almost dead from exhaustion and I was almost scared to death.

Grant Fisher.

Hill Spring, Alta.

## Flowers on the floor

I REMEMBER when we came to homestead at Findlater, Sask. in 1908, the first roof over our heads was a quickly built frame shack with no floor. It was in the spring of the year and it was a delightful experience for me, being an easterner, to peep under the bed and see crocuses growing there during the spring months, and in the corner of our one-roomed abode I had a sort of a pantry with a curtain across to hide the eats and one of our hens used to con-  
nive hennishly in her exploratory wanderings and go under the curtain and lay her daily egg right on the pantry floor.

The young housewives of today, with all their modern conveniences, have missed a great deal of the interesting experiences of the old pioneers and how proud we all were to help develop a new province.

"Think of all the fun the young hubbies and housewives missed."

Mrs. Jessie E. Cameron.  
Elrose, Sask.

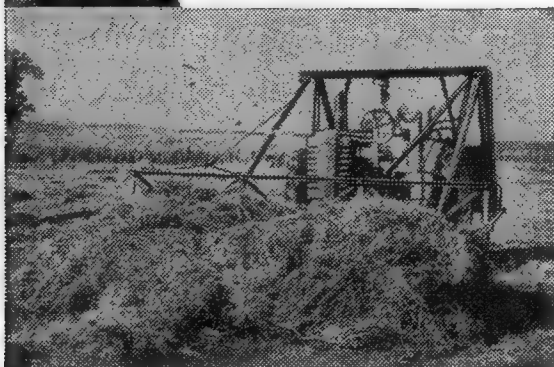
## Real greenhorns

I REMEMBER in March, 1902 seeing a lad barely seventeen years of age get off the train at Birtle in Manitoba. He had just arrived from Liverpool after two weeks of travel to start work for the man who had failed to meet him at the station, as no one seemed to claim him after a few tears of home sickness he walks about half a mile to the town and enquires at the hotel for his prospective boss. The proprietor told him "he was in town yesterday looking for you, but went home pretty tight. He will like-

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WITH PUSH-OFF



# Farmhand

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ly show up tomorrow, so you just stay here till then." So he stayed wondering if his last two dollars would meet the hotel bill. However next day the boss arrives with sleigh and team and they start on their seven mile trip east of the town for the farm. When half way the important question of wages was opened thus: "Well, and what wages might you want young fellow?" "Oh, I was told in England I would get five dollars a month to start with." "Pretty high lad." was the reply, so very meekly the lad says, "How would four be?" "Still rather high, I'll tell ye I'll make it three and a half a month." So not wanting to starve, the deal is closed, with a long drink out of a flask of some hot stuff on the part of just one contracting party.

Later on in the summer when herding cattle this lad who perhaps by now you have guessed to be the writer meets some Dr. Barnado boys who were also herding cattle and getting 5 and 6 dollars a month. So getting more courageous than a few months previous I boldly tell the boss "I am going to quit unless my wages are increased." His reply was quick and to the

point and forever settled my destiny for that first summer. It was: "Look here young fellow, you break your contract and I will have the police after you." Oh, well, I had a good home I must say. Some green-horns as we were often called did not even get my big wage, but paid (or their parents did) a premium for their sons to learn farming.

H. F. Rapley.  
Strathclair, Manitoba.

## Two Schools

IN September, 1916, the Alberta and Saskatchewan high schools in Lloydminster were amalgamated.

The members of the school boards came to school and we had quite an interesting ceremony. The pupils of Alberta in Grade VIII and the higher grades marched from their school to Grade VIII room in Saskatchewan school, where we were to study, with their principal leading them. There were speeches by members of the board and a speech of welcome by the Saskatchewan principal of the school. The two teachers

to take turns teaching in Grade VII and VIII rooms.

Mrs. F. I. Austin.  
Horse Head, Sask.

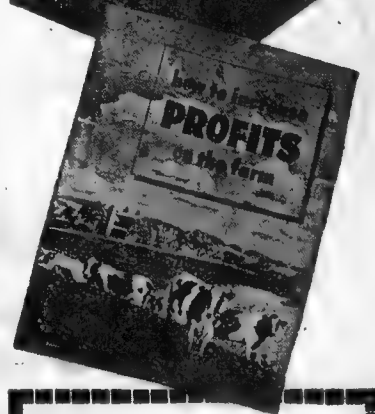
## Ox-Cart Runaway

I remember back in about 1912 I came to Canada with my parents from North Dakota. We didn't have much money and Dad had to work for a neighbor helping him break to get enough money to buy oxen to break our land and get it seeded to grain. He bought four oxen and they were pretty wild. One day my Grandma was visiting us and we took her with us to the neighbors to see a new baby. Just as we got there the oxen got scared of something and started to run away. They went around the house and almost ran into the corner of the house when Dad got them stopped. But Mother and Grandma were each sitting on apple boxes in the bottom of the wagon and Grandma's box broke and she went down in the bottom of the wagon. She sure didn't want to go for another ride with the oxen. Then one day the oxen wandered away about three miles from home and in those days everybody had sod houses and barns. And this neighbor had a sod barn built in a side hill and one of the oxen went up on the hill and right on top of the sod barn and fell through the roof and broke his neck. Then we had to go and buy an-

other one as we couldn't work with only three oxen.

Mrs. Chas. Gainer.  
Glasbyn, Sask.

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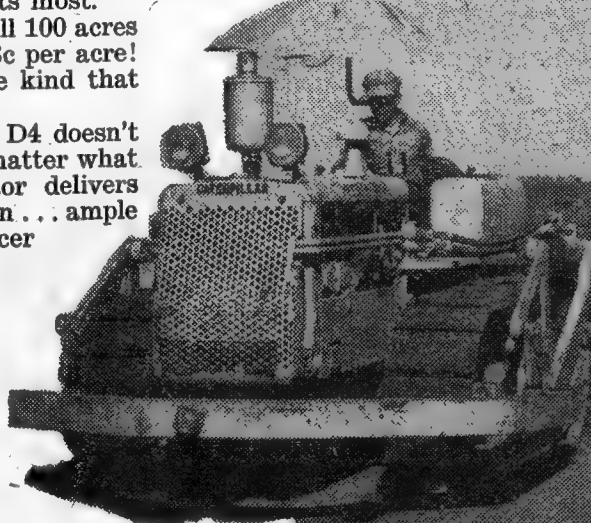
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IT may have been the urge to place the blame for the outbreak of foot-and-mouth disease on an immigrant that started a few people thinking that many of our animal and livestock diseases stem from other parts of the world. Even the complete vindication of the immigrant has not put a halt to thoughts of that nature. Growers were warned recently on the coast, and possibly elsewhere, that Europeans might unknowingly introduce the dreaded potato nematode to this country through importations of seed.

There may be a very remote

## Plant diseases old and new vex B.C. fruit growers

By TOM LEACH

possibility of that happening but few potatoes get past the Federal Government's plant inspectors. We can also be assured that those seed which come through the official channels are healthy. There may be a few seed shipped through to this country by devious means. When that is discovered it becomes apparent that the person

bringing the seed into Canada does not understand the danger to our farming industry.

### Old Enemies

The majority of the plant diseases which we must fight today are old, established troubles which have been with us for many years. There are a few new diseases but those which have caused the most

trouble in B.C. have simply grown with the spread of agriculture in the province and have outrun our meagre efforts to keep them within bounds.

There are several diseases which attack the first trees in B.C. Some of these have been with us since the first tree was planted. Pear scab is one of the fungus diseases which has caused trouble at the coast for years. It scared many farmers away from any attempt to grow the crop commercially. A few years ago I examined the original pear tree planted by the first settlers at Fort Langley and it was still suffering from scab but in the meantime, during its 100 or more years of life it had produced many tons of good fruit.

Had that pear tree been planted in the Okanagan it might never have become infected with scab. That disease is hardly known in the valley of tree fruits and yet growers there have another trouble which they find extremely difficult to control. It is known as fireblight and it, in turn, is seldom found at the coast.

Along with the higher rainfall and greener grass of the Fraser Valley there is black-knot of plums. It is another disease which is caused by a fungus. The swollen, black knobs was given only brief mention in government bulletins because it was not considered of major importance.

### Spreading Now

Since 1945 the fungus started to spread. It found a comfortable host on the Italian prune trees. This variety of plum has been planted in increasing numbers in the Fraser Valley since 1935. Black-knot wiped out the commercial production of Damson plums and shortly afterwards few completely healthy trees of the blue plum could be found in the upper parts of the valley. But when it started to make inroads on the plantings of Italian prunes, growers began to heed the urge made by plant pathologists, to get out and clean-up the black knot in their trees.

Growers co-operatives backed the program planned by the officials of the Department of Agriculture for it was neither difficult nor expensive. They asked the growers to spend a little time during the slack-work period in March to cut out all of the infected branches on the trees and burn them. From then on the grower need only watch the trees for any reinfection and remove it. A plant disease specialist has said that the whole trouble could be cleaned up in a few years if every grower would co-operate or cut down his trees so they would not reinfest others.

### Strawberry Yellow

Still another disease which can be controlled without too much effort may be found on the hundreds of small farms of the Fraser Valley where strawberries play an important part



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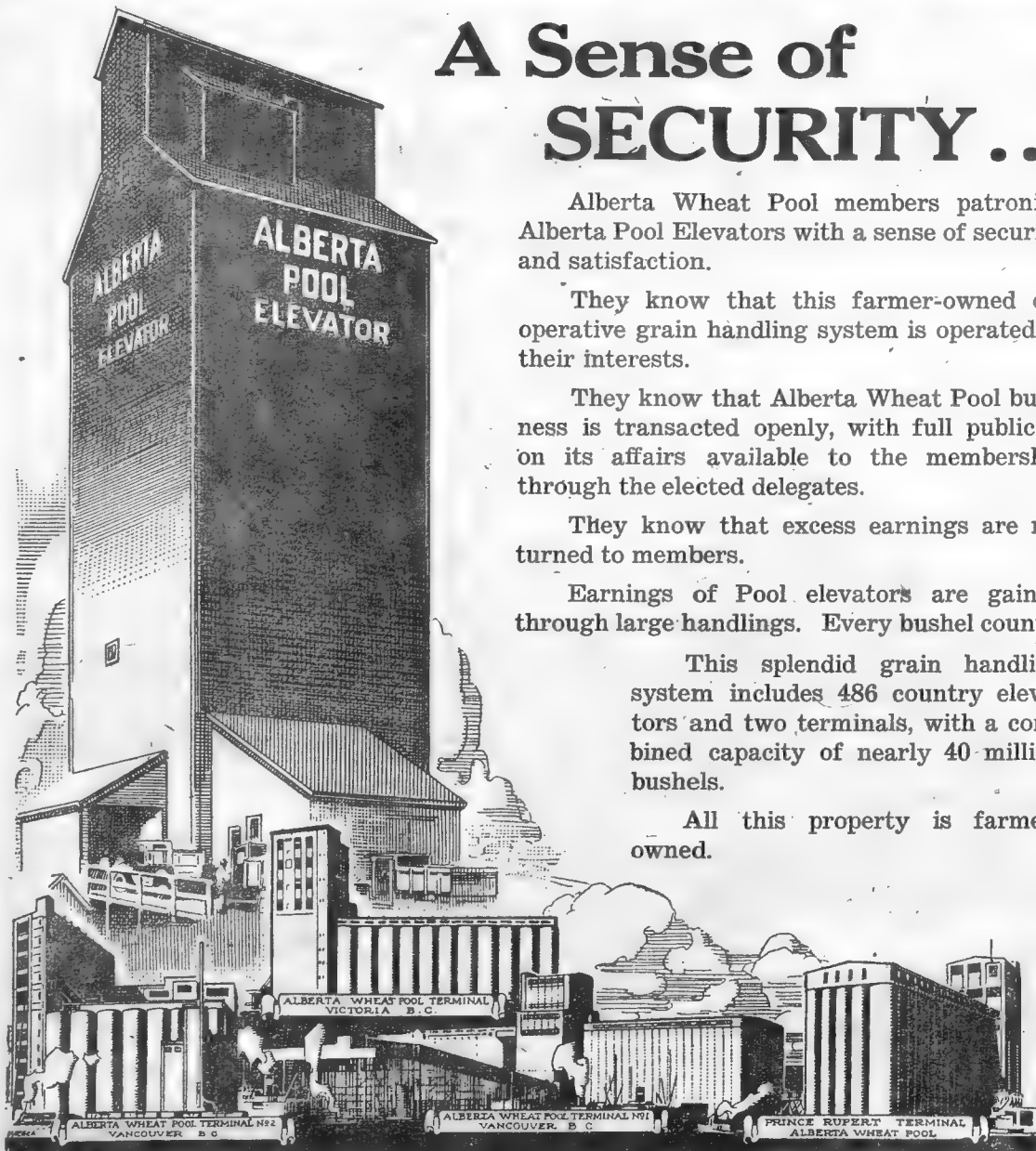
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in the farm operation. A quarter century ago the prevalent variety of strawberry grown was the Marshall berry. It was especially desirable as a good shipper and a good jam berry. Today it is grown only on a limited acreage. It was susceptible to a disease known as "yellows".

A new variety was introduced and almost the entire B.C. strawberry production today comes from the British Sovereign.

This variety is an extremely heavy yielding strawberry. It is well known in most commercial strawberry growing regions for its quality. Because of its flavor and production, growers in the neighboring state of Washington have been encouraged to come to British Columbia for plants. But deterioration began to show in plantings of this variety, plants were stunted and many plants were dying. The plant disease specialists started to work on the problem.

It is to their credit that within a short time they spotted the cause of the trouble. Since then they started and have directed a campaign to overcome the disease but success is far from complete. They called the trouble red stele. It causes a characteristic red or brownish coloring in the stele or stalk of the plant; the small feeder roots rot off and the disease gradually eats its way to the larger roots, leaving the plant stunted in growth and with no roots to feed it, the plant soon becomes a complete loss.

Once the fungus of this disease gets into the soil it is likely to remain there for several years ready to attack any new plants that are set out. Ridging the rows has proved to be one way of overcoming the cold wet conditions which encourage the spread of the disease during the winter months. However, the use of healthy plants on clean soil is the only assurance that a grower can have that his strawberry planting will remain healthy.

The search for varieties which are not susceptible to this disease has not proved of much help. No other variety begins to bear a crop of the same quality or quantity. Officials undertook a program in 1946 to certify plants for setting out clean fields. Inspectors go over the

fields of all growers who ask for inspection and if they find no signs of red-stele they recommend his plants for sale. That has proved a partial solution but has not served to reduce the disease to any great extent. Too many growers continue to purchase plants from fields which have never been inspected and too often they infect clean soil with the red stele fungus. The only reason they do so is a dollar and cents reason — they can buy the uninspected plants cheaper. It is a short term view as one grower said, "a red stele mortgage can't be lifted for seven years".

All farmers do not take the short-term view of plant disease. The certified seed potato growers in B.C. have taken a forward step to keep disease under control and to improve their seed stock where possible. Seed potato buyers have come to realize the value of their efforts and keep coming back for more seed year after year.

The small group of growers who were members of the Northern Certified Seed Potato Grower's Co-operative back in 1944 were looking for a quicker method of finding the amount of disease in foundation stock before they replanted the following spring. They tried a plan of tuber-indexing in greenhouses. It worked but they heard of the plots conducted at Oceanside, California. They also learned that potato growers from many parts of the United States purchased their seed on the results of those tests.

The outcome of a little planning was a series of tests which have continued each year since that time. Only a handful of growers sent seed samples to California in 1944, but in 1950 when the B.C. Department of Agriculture took over the management of the plots and their inspection the number reached a peak of 86 growers.

The department charges each grower \$5.00 for each sample which consists of 200 small seed weighing 2 ounces each. If he wishes to enter several samples he may do so but at the same charge. Only two varieties predominate in the tests. They are netted gems and white rose which make up the largest percentage of the seed grown in B.C.

#### Good Programme

This programme is not new to seed potato growers. New Brunswick growers have shipped samples of seed to Florida in the fall for many years. The samples are grown and inspected by an official of the new Brunswick department of agriculture and those showing a high amount of disease can not be considered suitable for planting foundation stock fields. The Alberta government has also helped growers to have samples tested at the Oceanside plots and with more interest in seed potato production it is expected that there will be an increasing number of samples tested.



"Among you gentlemen, there are several faces I would like to shake hands with."

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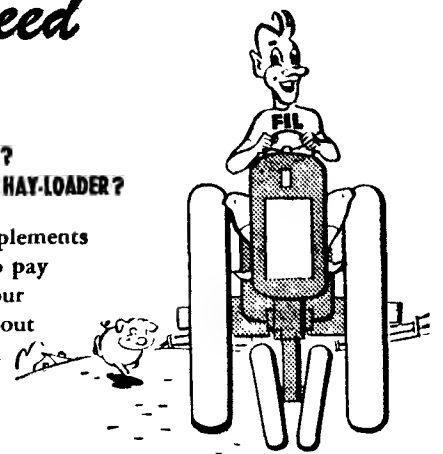
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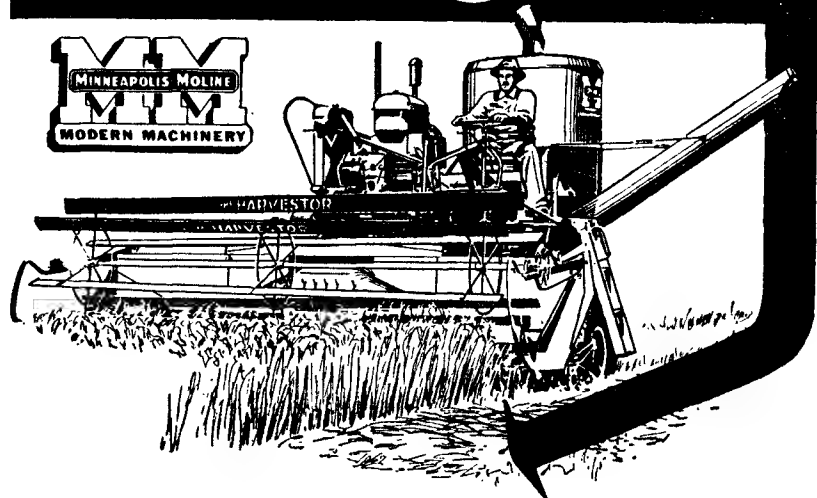
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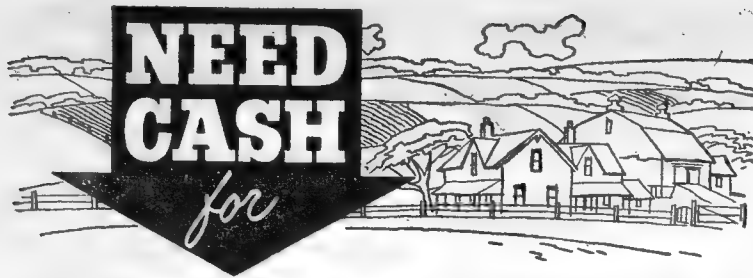
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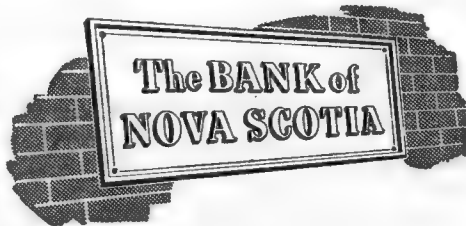




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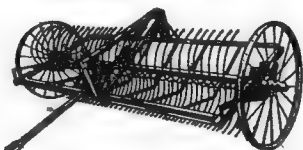
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## Our youth going to hell? What about adult society?

THE "Kinsey Report" constituted one of the most shocking documents of our time. That over seventy-three per cent of American males had pre-marital intercourse by the time they are twenty was one of its less shocking revelations. When Mary Singer and Florence Zunker asked whether girls of today were as chaste as formerly, they replied that only the blind could say yes. A spate of articles argued with a note of despair that chastity was not out-moded. Judges and juvenile courts reported a terrifying increase in the number of teen-age narcotic addicts. A judge of Chicago's juvenile court, Robert Dunne, reported that in seven months he had fifty-seven children under fifteen who were dope addicts in his court.

Now one thing that no one comments upon is that morality is of a piece. The Kinsey report was no more shocking than the Kefauver revelations of corruption in justice and politics. Nor are young people isolated. They are part of the total population and are no worse than the total population. So what are the facts of our total morality?

### Living Off Capital

A fundamental question rises, can mortality flourish without religion? The answer is "No". Last year in London I was one of a group which interviewed Crossman, left-wing English Labour M.P. Raised in a religious home, he had discarded religion. Wistfully he asked if his children would be able to retain his social idealism without his religious background. Certainly morality never has flourished without religion. Men like Crossman live on their religious capital.

Life consequently lacks purpose. The majority live for appetite. Mumford in a classic description says, "In America we have created a new race, with healthy physiques, sometimes beautiful bodies, but empty minds; people who have accepted life as an alteration of meaningless routine with insignificant sensation."

So the amusement industry with its professional games, movies, and trivial radio has had phenomenal growth. The result? Boredom, which is a peculiarity of our times. The word 'bored' was not contained in Dr. Johnson's famous dictionary. The one basis for discovering a man's value lies in the question, "What is he worth?" Wealth is the objective and it doesn't matter too much how a man gets it. Pinkerton's Detective Agency reports that stealing has increased in Canada in this time of unprecedented prosperity.

Sociologists like Sorokin

make much of the decline in the value of promise and contract. Sir Richard Livingstone contends that the greatest revolution since the time of Christ is loss of such words as Justice, Mercy and Truth. The Nazis and Communists have twisted language until good means bad, hot means cold. But in our own country truth is not too well loved. We admire freedom of speech—until someone practices it!

We must study our time against the background of hideous war. In Napoleon's day the civilian population was relatively undisturbed. During hostilities a man could travel from London to Paris. Combatants observed certain rules. Today we drop atomic bombs which roast alive the population of an entire city. "Total War" means just that.

### Different World

Also in the last half-century a revolution has taken place in our way of living. In 1901 there were only 535 automobiles in Canada, no domestic consumers of electricity, no radios, no movies, and few telephones. The census of 1941 reported 1,572,784 automobiles, 1,756,000 consumers of electricity, 2,150,000 car-owners, 1,244 movies, and 1,562,146 telephones. In 1871 our population was 80% rural; in 1941 it was 46%. Our fathers worked from seven to six in factories, six days a week; we think we should only work forty hours in a five-day week. So leisure and boredom increase. So also youth has more opportunity for going wrong today.

The position of woman is one of the most radical changes in our society. It is a strangely ambiguous position of which the "slacks" may be a symbol. Just what is she? Where does she fit into society? The stupid slogan of equality has obscured the fact men and women are not equals and never can be, but are complements. Certainly we do not want to return to any days of female exploitation, but just as certainly woman is deeply unhappy in our contemporary society.

With this background the mood of our age had to be disillusion and cynicism. At the turn of the century a college president observed with unbounded optimism that "Christianity is in the blood of the races now in power." We wonder today if ruling powers are ever influenced by Christian principles.

### Widened Gap

The gap between the Church and this generation has widened. Part of it is the fault of the Church. "At one of the churches the minister was always nagging at us for dancing, smok-

ing, and going to movies", complained one youth to a reporter. "Why all the fuss?" It is indeed tragic that in this day of terrible evil some Church members have emphasized such trivialities that have nothing to do with Christianity anyway.

As a matter of fact the Church has not begun to do a job with today's youth. The reason is that so many of its critics, so many of the potential leaders and people of ability, are lazy and indifferent. It is cheaper to criticize than to contribute.

Many social welfare workers also live in a fool's paradise. It was assumed in Kitchener, for example, because there was an extensive recreational program with many playgrounds, that children were safe from crime. Then the city was sickened when eleven youths, from 15 to 24, were found guilty of improper conduct in cases involving girls under sixteen. So it is not enough to have activities that "keep children off the streets."

But were the children to blame? Five parents were remanded six months for neglect. One father was given 30 days for neglect and the mother fined ten dollars on the same charge. I wish the strokes of the strap given to the boys had been administered to the parents.

### Bad Parents

In nearly every case of juvenile trouble, I have found a broken home. Any person guilty of breaking up a home should be treated like a common criminal and put in jail. Many parents who have taken the baptismal vows in presenting their children for baptism are just plain liars. They have made no effort to keep them. Some day before the Judgment Seat of Almighty God parents must answer for their callous neglect. There are parents who have murdered a good life for their children just as surely as if they had strangled them.

Home, Church, and School must give young people ideals of beauty and purity. Why? Because impurity leads to neurosis. Because the happiest condition of life is strength and discipline of character. The most destructive condition is the knowledge of uncleanness. Anybody who thinks it is possible to play fast and loose with morality and retain a strong personality and character is a fool. Nature says, "Either be decent or be damned."

I believe in young people. Potentially they are the finest generation Canada has ever had. It is a marvel they are so good with the crumbling society of today.

## Mealtime should be pleasant



By Louise Price Bell

EVERY mealtime in the home should be pleasant. If there are disagreements about things, settle them before mealtime so that the family can come to the table in a happy frame of mind. Physicians claim that our mental state has much to do with our digestion, and that laughter improves it. We all know that we enjoy a happy meal far more than one that is gloomy because of some unpleasantness.

Our children should remember only happy mealtimes. When they are still in the high-

chair stage they can sometimes play with their food and almost demand a cross reprimand in their mischievous acts. But we can correct them cheerfully and pleasantly and make just as much of an impression upon them as we will if we snap crossly at their innocent little faces. No baby is naughty to be mean... his actions are as natural as breathing and parents should realize that and do everything possible to keep their mealtimes happy, cheerful, and times which they will remember with real pleasure.

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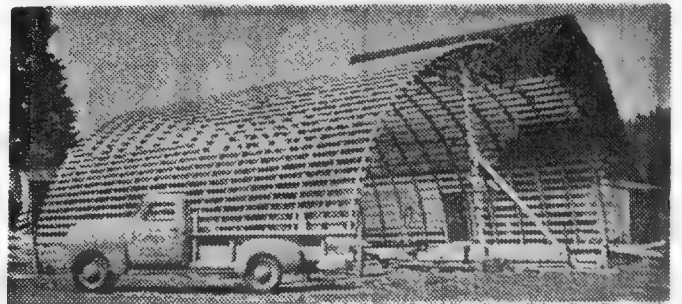
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IN a 1774 New York paper, a caterer, Phillip Lenzi, announced he had just arrived from London, England, and was prepared to supply to the gentry various confections, including ice cream. Three years later, the New York Gazette-Mercury carried other advertising for Lenzi, in one of which Lenzi offered to supply "ice

## We'll bet you never knew all this about ice cream!

cream of what sort they please to order". These are believed to be the first public mentions of, or advertisements for ice cream on this continent.

Ice cream and water ices had been known in Europe for many years before the method of making reached America. Marco Polo is credited with intro-

ducing frozen confections in Europe. When he returned from a trip to Asia at the end of the 13th century, he brought back a recipe for making water ices, which is said to have been used in Asia for thousands of years before. These ices became quite popular in Venice and throughout Italy and it is not improbable that milk, cream and other ingredients were mixed with the confections. Perhaps ices were not entirely strange to the Romans or the Italians, for it is said that the Emperor Nero sent his slaves to the mountains to bring back snow and ice to cool the fruit drinks he favoured.

Catherine de Medici, when she married Henry II in 1533, brought a staff of her own cooks to France. Her cooks had the secret of making frozen ices and they were common in her household. It is said her son, Henry III, consumed them daily. At a court dinner given by Louis XV, it is recorded that his chef placed before each guest what appeared to be a fresh coloured egg in a silver cup. The company discovered that the supposed eggs were delicious sweetmeats, cold and compact as marble.

At a state dinner given by Charles I of England in the 1640's, a cream ice, made by the King's French chef was served to the guests. The dish created such a sensation that King Charles bade the cook hold the recipe a secret forever, and pensioned him at 500 pounds per year, so that the delicacy would be reserved for the royal table. When he was beheaded in 1649, the secret of the "frozen milk" as it was called, had been already made public. It was believed that some nobleman had offered the chef more money for the secret. Between 1750 and 1776 recipes for making ice cream and sweet ices appeared in a number of recipe books.

The first appearance of ice cream in America occurred about 1700. There is record of a Governor Bladen of Maryland writing of a dinner, "we had a dessert no less curious; among the rarities of which it was compared, was some fine ice cream, which, with the strawberries and milk, did eat most deliciously". This was probably the first ice cream sundae. President Washington is known to have had a fondness for ice cream. He kept two pewter ice cream pots, and it is also said he purchased a "cream machine for the making of ice". Dolly Madison, wife of United States' fourth president, is credited with introducing ice cream in the White House.

After a glance over the early history of ice cream, it requires little imagination to understand why ice cream, has been called the "food of kings", "royal treat" and "royal dessert". It probably owes its origin to the desire of the royal chefs to please the tastes of the royal gourmets of early Asia and Europe.



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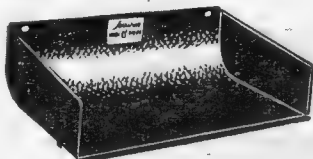
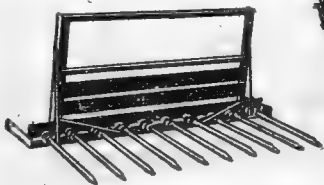
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One day last spring a while after the teacher had rung the bell we saw a weasel come popping into the room. Seeing us he got frightened and ran under the piano. We took after him. He ran under the teacher's desk. He squeezed out and headed back for the piano. We had to open parts of the piano to get him out.

Lydia Pranke.  
Rocanville, Sask.

We have a turkey gobbler at our place.

We call him "Strutty", which suits him well as he is always strutting around.

We also have a bantam rooster and every time he crows "Strutty" gobbles.

Our neighbors have some geese and every time they honk "Strutty" gobbles.

We sure think "Strutty" is a great bird and I don't know what we would do without him as he is a favorite with all the family.

Robert Leer.  
Ashley, Sask.

We have goats on our farm, and they like to play on the tractor. Once we looked out of the window and saw a goat on the tractor, it was standing on the seat with his front hooves on the steering wheel. We sure thought it was comical.

Craig Allistair Booker  
Sturgeon River, Sask.

This year I started to trap. On Sunday I set my traps. On Monday I went to my traps. In the first I didn't have a squirrel, but in the next one I did have a squirrel. That night Dad showed me how to skin it. I got thirty-eight squirrels.

Edwin Wakefield.  
Ft. Assiniboine, Alberta.

Early one summer morning my sister and brother were milking cows. Suddenly my sister exclaimed, "Oh, look!" There was a coyote standing about two yards away ready to grab a young chicken. When he found that they saw him he walked slowly away. Later when my brother wanted to shoot him, he was nowhere to be found.

Doreen Jersak.  
Glenside, Sask.

One day I was in the house playing with my Meccano set, when my brother Joe went to help my mother carry chop. He was running by the old well where we throw garbage. Just then a few little mice ran into this well. Joe ran into the house and told me to get a jar to put the mice in. I was able

to get one but the other ones ran away. The next morning I took it to school to show it to our teacher and children. The most comical thing about the mouse is when I put some water in for him he starts to wash his face and hands with it. Then after that he started to eat his rolled oats.

Larry Peysar.  
Stanger, Alberta.

One evening while listening to the radio, we heard a squealing noise and then we looked out of the window. To our surprise we saw our grain loader, which is on wheels moving and then stop. We ran outside to find what was the matter. The pig was caught in the loader with her feet. She had pulled the loader about thirty yards in front of a fence. She was still squealing, but we finally got her to back out. We sure had to laugh.

Magdalena Schile.  
Granlea, Alberta.

One day my brother and I were visiting a friend when their large tom turkey rushed at me. We ran into their house, but the turkey followed us. We jumped upon chairs but he chased us off. After awhile we managed to get him out and keep him out, although he did guard the door for a while.

John Hall.  
Sonningdale, Sask.

One afternoon while I was watching my father stooking sheaves I saw something that looked like a large spider, but on looking closer I saw it was a small spider with a lot of baby spiders clinging to it.

Myrna Dawson.  
Wiseton, Sask.

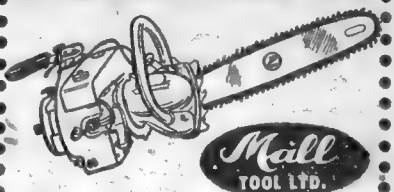
My brother and I were coming in from the barn after doing the morning chores, when we heard what sounded like someone shooting real close with a shotgun. We wondered who could be shooting that early in the morning. Much to our surprise a hungarian partridge landed on the ground within a few feet of us as if it was shot. It started to flutter and my brother sat down the pails he was carrying and tried to catch it. Before he could get hold of it, it flew away with a half a dozen more that were headed towards the oat stack. We finally discovered it hadn't been shot at but had struck one of the guy wires on the windmill as it was flying in and had stunned itself. The frosty wire had made the sound of a shotgun when the bird had struck it.

Jack Evans.  
Lightwoods, Sask.

One day as I was coming home from school I saw a strange bird. He was quite brightly coloured and had a long beak. I ran after him, he could really run but had a broken wing so it couldn't fly. It ran under the swath and when he came out I grabbed him. I took him home and he became tame. He only ate flies and some crumbs. One day when I was at school I forgot to put him in his box and when daddy was asleep the bird picked his face and woke him up. Daddy put him upstairs and when I came home I found him dead. He must have ate some poisonous flies.

Jimmy Granger.  
c/o Mr. C. H. Waltemath.  
Westlock, Alta.,

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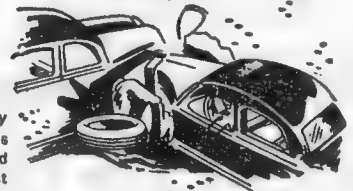


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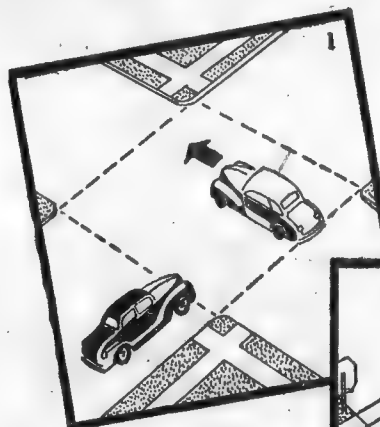
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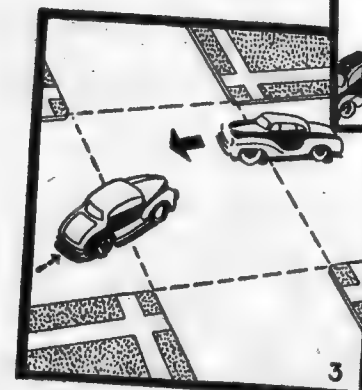
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## Against immigration

To the Editor:

The discovery by the Canadian Federation of Agriculture that there is a great shortage of farm labor is amazing. When many War Veterans and sons of a farm or ranch, why import farmers, now giving up, find it more immigrants to take indentured jobs both in agriculture



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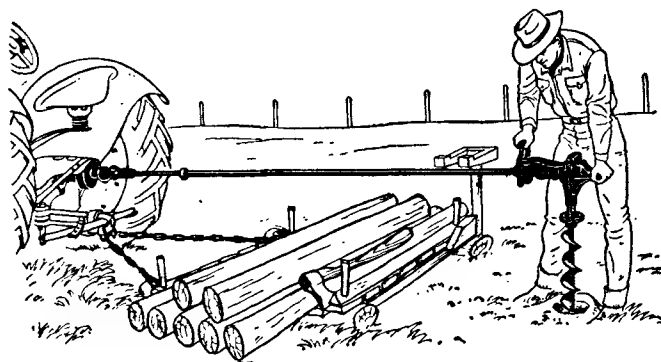
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MONEY BACK GUARANTEE

and in other trades which are full up?

The move of the Conservative government of Ontario in setting aside a fund to establish young farmers, on a loan of \$15,000.00 repayable in twenty years, at least deserves study. Is it too much to hope that the government of Alberta and B.C. could not spend some of their surplusses in a similar plan?

I have no objection to Immigration of high-class immigrants, whether they are displaced Germans from Eastern Europe, Baltic States refugees, Austrians or people from the British Isles or the Netherlands. But why shouldn't these people open up new parts of Canada, and pioneer, as our parents and grandparents did? Ottawa has no method. It dumps people in the most settled parts of the Dominion, and then demands that they have steady work. Are these new Canadians of such superior calibre that they cannot pioneer?

The industrialists evidently are all cheers for the Federal Government's plan. The immigrants are often unhappy, and not satisfied with what they find here. After all, it isn't pleasant to find that you are wage-cutting. How are our boys, now growing up, to find decent work if the country is inundated with aliens? Perhaps they are supposed to go north and open up the sparsely populated areas!

We permit hundreds of Americans to live here on temporary permits, often holding jobs in oil companies that should be held by Canadians. I wonder if the day will ever come when Canada is a little more than a geographical expression?

"Just Another Veteran"

General Delivery,  
Lethbridge, Alta.

## Wrong quotation

To the Editor:

In your March issue Gestur Einarson mentioned F. S. Morley's sermon of Jan. 1951. as being astonishing to read. Frankly speaking, his letter was even more astonishing and would appear to be a deliberate mis-quotation of the aforesaid sermon which read, Roger Babson says: "To religion we owe our civilization, to the Church we owe our religion, All there is in the world today that is worthwhile comes from men filled with, and from groups actuated by these fundamentals of integrity, faith, brotherly love, and those other factors which come only through God."

It is only too obvious in those countries where little or no Christianity exists, that there

is a lack of harmony and brotherly love, I think it would be a wonderful education for all those embracing such atheistic beliefs as those of Gestur Einarson if they could live for one year in some country where religion is not allowed, except it comply to the rules of the government.

J. E. Kendall.

Birch River, Man.

## Ducks or Wheat

To the Editor:

Here is a press report from Memphis, Tenn., and I quote in part "Angus Gavin, general manager of Ducks Unlimited of Canada, told trustees of the United States organization at their annual meeting — 'Ducks Unlimited has turned 1,700,000 acres of parched, useless prairie land into a waterfowl hatchery but we have not touched more than 10% of those barren lands.' He went on 'Reclamation and conversion of these waste lands into a giant chain-lake region would produce enough ducks to blacken the skies in the Mississippi Valley flyway during the fall-winter migration.'"

Now, of course, I am strong for water conservation and always will be but feeding millions of ducks is another matter. If this gentleman's prediction materializes it will back Foot-and-Mouth disease completely out of the picture as a catastrophic loss to us prairie farmers. We all know that the southern migration of the ducks is concurrent with the stooking and swathing of the grain crop in all three prairie provinces. So we are forced to feed not only the ducks that hatch out in our own vicinity but untold millions that have hatched out all the way to the Arctic Circle.

This loss has reached such proportions already with two wet seasons and the great increase in the amount and number of both natural and artificial water storage basins that we farmers simply cannot continue to produce grain and remain solvent.

I am only a small farmer, but I know that I lost a thousand dollars worth of wheat in the 1950 crop and at least two or three thousand dollars in the 1951 crop. What the larger farmers and the country generally has lost must amount to many millions of dollars. The gentleman in question evidently does not give a thought to how we farmers are going to live and the many millions of empty stomachs in this hungry world of ours.

Our governments, both Dominion and provincial, must face up to this matter at once as to which they want — ducks or wheat. We cannot have both. I have made up my mind definitely that these migratory ducks must be shot back in numbers to what they were in the middle thirties. Further the

open season must be opened early enough to protect stooks and swaths. Otherwise we cannot continue to grow wheat on these rolling plains with the ducks so numerous that they darken the sky as they rise from a field of wheat.

Jack Sutherland.

Hanna, Alta.

## Manning and Oil Money

To the Editor:

Please allow me a little space while I congratulate Mrs. Ruth Fleming. She asks why the people are so quiet. Sometimes one person will stay stunned longer than others. They all got such a wallop in the head with that arbitration board and then the hint in the Calgary paper that a donation for the coming election would be a favor they are not out of the stupor yet: So they need money for social services and roads. They should have plenty (50 million more than Saskatchewan) and remember these social services hatched in Ottawa, "they are Federal, not provincial". It seems they were determined to get that arbitration business solid before an election, and it was square against every landowner in Alberta, and it didn't benefit the provincial treasury, the only ones it benefited was the oil companys, and they are nearly all from the U.S. and have no votes here.

I guess he thinks we are really dumb. Everybody can figure that out for themselves. I've fed plenty of dogs in my life and was never bit by one yet. They stay loyal and if you think that big risk was run for nothing you think different from what I do. And those Social Credit members that collected \$3,000 for 34 days run a big risk, too. They may not pass that way again. It seems all the people in Canada own the mineral rights under their land except Alberta and Saskatchewan from what I understand and the same applies to the U.S. Why try to make goats of us?

Mrs. H. B. Chapin.

Bluffton R.R. 1, Alta.

## Sparrows and Grubs

To the Editor:

In this month's Review you have an article on Sparrows, Bats and Beetles. Five or six years ago I got a tin of DDT to use round my stable and have had no trouble with sparrows since. Possibly there is more than one kind of this stuff. I couldn't get mine to dissolve to use as a spray, but have to splash it on like whitewash.

For grubs I used to go round with a light and shake the cutworms off my carraganas and put them in a can of coal oil, but haven't seen any since the first year. It seems to me that I once read that watering plants with weak formalin will kill grubs.

W. P. Lyall.

Hagen, Sask.

## Foot and mouth and panic

To the Editor:

I don't know how long I have read your paper but it was when Mr. Peterson was editor. This paper is and was always my favorite for its editorials.

But while I mostly agree with your editorials, the last, about the mouth-and-foot disease, seems to me wrong. If you had occasion to experience this sickness at least 10 times with your cattle, you would understand the panic it involves. It took about three months before the diagnosis could be certain. In summertime, I am sure the disaster had been complete, long before the embargos had been in force. To me it seems that the experimental farm managers were very, very wise to shut their doors to visitors and should be commended and not blamed. This just "en passant."

I would like your explanation in an editorial how it is possible that an implement factory can exist for years if the hourly factory wages increases since 1939 219.2%, the raw material prices, iron or steel, 164.3%, whereas the implement prices rose only 84.6%. Something must be wrong in this statement, or the

implement prices were already, in 1939, way above parity.

Oldtimer.

Smithers, B.C.

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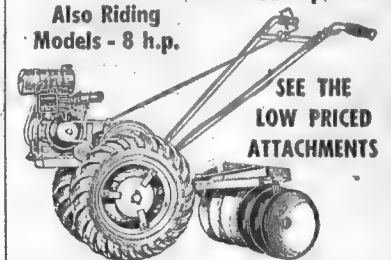
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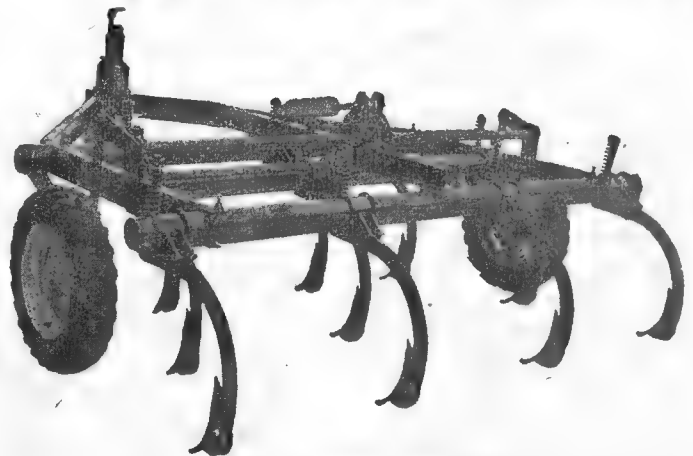
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## Country Diary

THE prairie until now, has only been warmed on the surface. The first real heat of summer comes in June, and now the land draws the fire of the sun down deep into its breast. New leaves, shining and smooth as though waxed, take delight in it. The young grass full of pride in its prime, stands fresh and green, declaring itself the soul of the prairie, as indeed it is, for to it we and all animal life owe our daily sustenance.

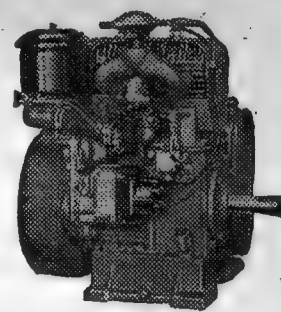
June is the month of flowers, a very definite month to lovers of Nature's beauties. The wild flowers that hitherto have been slow and reluctant, now cast caution aside and boldly open wide their petals. The month of the wild rose is now bestowing the bridal look all across the Dominion, and more especially on Alberta where it blooms in such lovely abandon that we realize why our province claimed it as its own. I venture to say that we nature-lovers owe half our out-door, every-day delights in summer to June's wild rose. Unfortunately the whole process of growth in beauty is a silent one, so that a whole wealth of quiet glory escapes many a materialist who perceives it not. And then, too, we who live with them year after year, tend to take our wild flowers too much for granted. Our grandmothers knew how to appreciate them. They collected them, and learned at school how to press them and preserve their colours, and indexed them with dates and locations. Happy is the one today who can look over an old treasured scrap-book of pressed flowers, each page of which contains some-

thing of association good to remember.

Vandalism, even if not ruthless, but thoughtless, may result from indifference and ignorance. Perhaps a Minister of Landscape should be appointed, and definite instruction on the preservation of our natural flora be given in schools.

One of the joys of June is to walk in the still radiance of the morning. Earth and sky possess an ineffable brightness, and the path through the pasture beneath one's feet is one's own personal roadway. It is not like the possession of the fields that give themselves up to cultivation of grain. The path on which you walk is set apart for a distinctive purpose, and does not give itself up to anything; it leads you on where it will and you follow its way, worn smooth and hard by the footsteps of many cows and their calves and their guardians. You stand for a moment to look up and see the blue sky as an arch of forget-me-not. You feel the softness of the young summer breeze playing here and there, scattering the white fluff of the poplars, trifling with the feather of a bird, whispering through the creeper on the south side of the house. High overhead a flock of gulls utter their plaintive pleasure in the morning.

The hands of the clock make a full circle and twilight on a June evening has a greater charm than belongs to any other month. It is a lingering graceful process. Colours fade one by one out of the land only to re-appear in the flaming sky.



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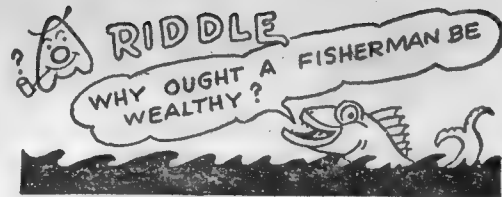
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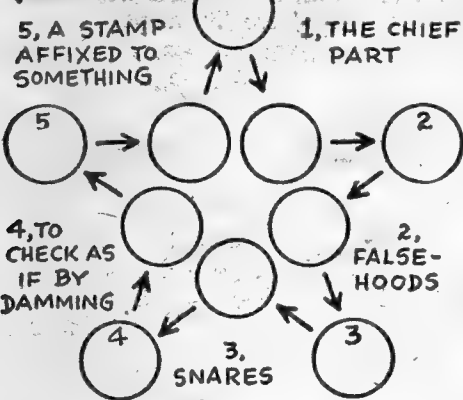
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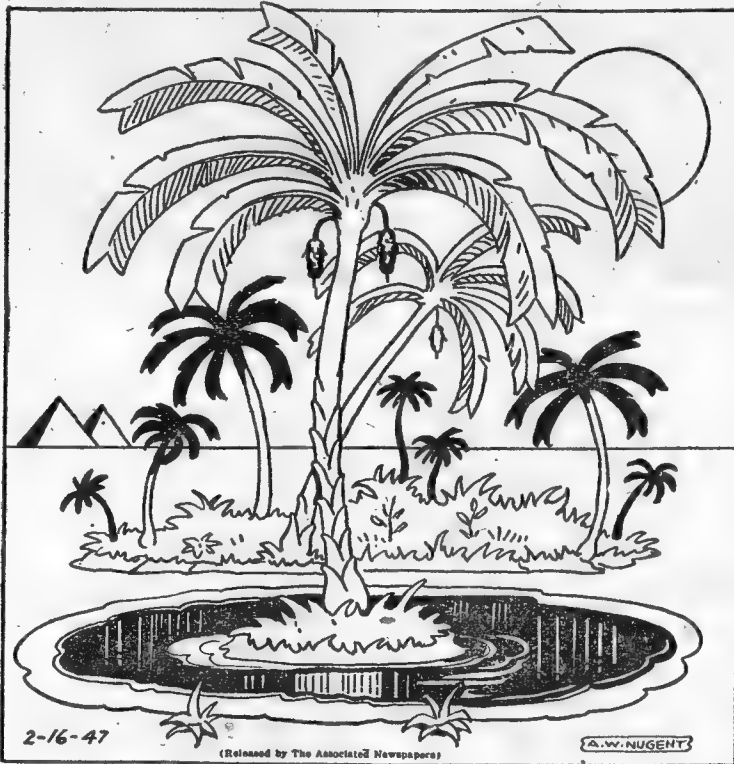
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2 SQ\_\_\_\_\_  
3 SQ\_\_\_\_\_  
4 SK\_\_\_\_\_  
5 SK\_\_\_\_\_



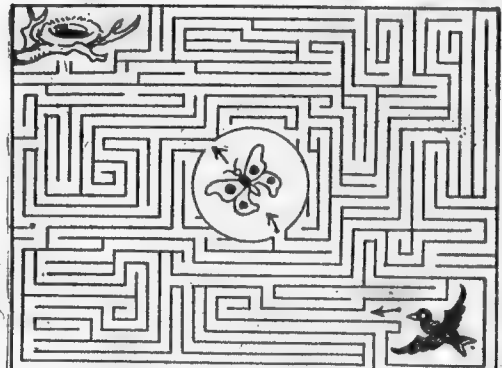
I am an eight-letter musical instrument.

MY FIRST, THIRD, FOURTH AND EIGHTH LETTERS SPELL A LIGHT, SMALL, USUALLY TWO-WHEELED, VEHICLE.

MY SECOND, FIFTH, SIXTH AND SEVENTH LETTERS SPELL A ROW OF LETTERS, WORDS, ETC., WRITTEN OR PRINTED.

WHAT'S MY NAME?

1 \_ 2 \_ 3 \_ 4 \_ 5 \_ 6 \_ 7 \_ 8 \_



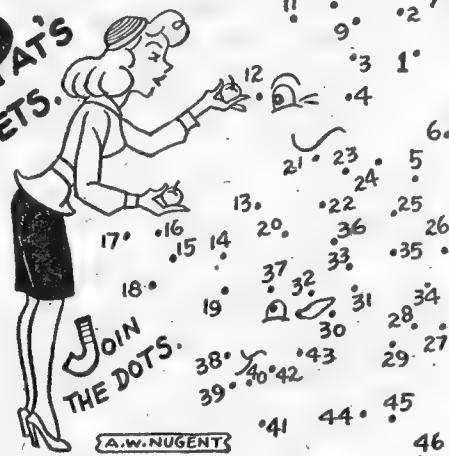
START THIS MAZE AT THE BIRD AND TRY TO LEAD IT TO THE BUTTERFLY AND THEN TO ITS NEST WITHOUT CROSSING A LINE. USE A POINTED OBJECT TO TRACE YOUR WAY.



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PAT'S PETS.



THERE ARE SIX PICTURES THAT REPRESENT SIX PARTS OF THE HUMAN BODY. PICTURE NO. 1 IS "CHEST" FOR EXAMPLE. WHAT ARE THE OTHER FIVE PARTS?

A.W. NUGENT

### FIND THE EAGLE!

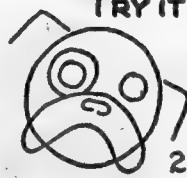
MRS. MONK CAN SEE ITS ENTIRE BODY HIDDEN ON THIS SCENE. CAN YOU?



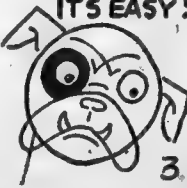
HEY KIDS! THIS SHOWS HOW TO DRAW ME IN THREE STEPS.



TRY IT!



IT'S EASY!



### PUZZLES SOLUTIONS

THE HIDDEN EAGLE IS UPSIDE DOWN IN THE LOWER LEFT CORNER.  
REBUS PICTURES: 1, CHEST; 2, ELBOW; 3, EAR; 4, PALM; 5, FOREHEAD; 6, HAIR.

MUSICAL INSTRUMENT SOLUTION: 1, 2, 3, 4, 5, 6, 7, 8.  
CROSS-WORD STAR: 1, MAIN; 2, LIES; 3, NETS; 4, STEM; 5, SEAL.  
"THE OASIS" WORD GAME: ATE, ASH, ASS, EAT, HAS, HAT, HIS, HIT, HOT, HOE, OAT, SAT, SET, SIT, SHE, SEA, SOT, TAE, TIE, TOE, TEA.  
RIDDLE: BECAUSE IT'S ALL NET PROFIT.  
FIVE CREATURES: 1, SQUIRREL; 2, SQUAB; 3, SQUID; 4, SKUNK; 5, SKINK.

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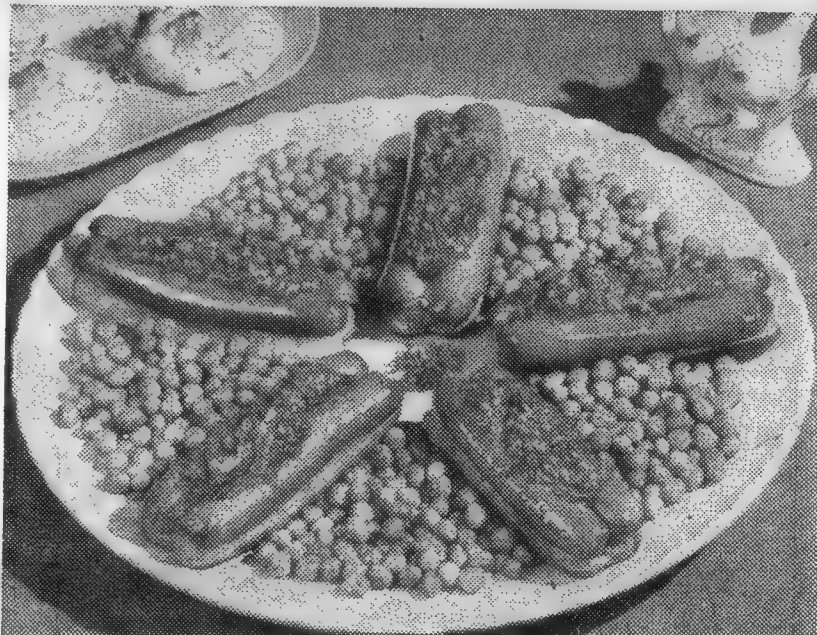
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Pineapple-stuffed "Frankfurters" are a decided change from the usual method of preparing the "lowly frank".

By Louise Price Bell

**H**ERE are four excellent ways to prepare and serve meat to your family, and two delicious desserts. Try them out; they're the kind you'll clip and paste in your recipe scrapbook for many future times!

**Barbecued Lima Beans and Spareribs**

- 2 cups (1 lb.) dried Lima beans
- 6 cups tomato juice
- 3 teaspoons salt
- 2 lbs. spareribs
- 1 teaspoon salt
- 1 medium-sized onion, chopped
- ¼ teaspoon black pepper
- 1 teaspoon dry mustard
- 1 teaspoon tabasco sauce
- ½ cup unsulphured molasses

Wash beans and soak over night in 5 cups tomato juice. Add salt, cover, and simmer (not boil) until beans are tender. Pour half the beans into a casserole, rub the 1 teaspoon salt over spareribs, place on beans, and add onion. Mix remaining ingredients with remaining 1 cup tomato juice; pour over beans, cover and bake 1½ hours in moderate oven (325° F.). Uncover and bake until brown about 30 minutes.

**Pineapple Stuffed Frankfurters**

- 1 pound frankfurters (wieners)
- 1 No. 2 can crushed pineapple (2 cups)
- ½ cup finely chopped onion
- 2 teaspoons Worcestershire sauce
- 2 teaspoons prepared mustard
- ¾ teaspoon sugar
- ¼ cup chili sauce

Split frankfurters but not quite through. Open up half of the franks, cut side up, in a greased baking dish, spread with partially drained pineapple, then top with the remaining split "franks". Cook onion in fat until tender (about 10 minutes), stirring frequently so as not to burn, then add the remaining ingredients and cook for 5 minutes. Spoon sauce on top of franks and bake in a 350° F. oven for 30 minutes.

**Mock Chicken Legs in Barbecue Sauce**

- ¾ lb. chopped lean pork
- ¾ lb. chopped veal
- 1 egg beaten
- 2 teaspoons salt
- ½ cup chopped onions
- 6-oz. can tomato paste
- ¾ cup water
- 3 tablespoons vinegar
- ¼ cup unsulphured molasses
- 2 tablespoons Worcestershire sauce
- 2 teaspoons salt
- 2 teaspoons dry mustard
- ½ teaspoon black pepper
- ½ to ¾ teaspoon Chili powder

Mix first 4 ingredients, shape to resemble chicken legs, and fry in shallow, hot fat, turning to brown all sides. Add onion; cook until brown. Mix remaining ingredients and pour over "chicken legs". Simmer, uncovered, until sauce has thickened (about 15 minutes). Insert a stick of macaroni in each chicken leg or add a fancy paper frill and serve on well cooked spaghetti.

**Plain Baked Ham**

Bake in a 325° F. oven 18 to 20 minutes per pound for a whole ham and 22 minutes per pound for a half ham. In baking

a half ham, place cut side down on a rack to keep it from drying out; wrap in waxed paper or aluminum foil as extra protection, if desired. Half an hour before the end of the baking time, remove rind (if any), score the fat, stick with whole cloves and spread with a glaze. Brown sugar moistened with a little fruit juice is a popular glaze.

**Prune and Apple Pandowdy**

- 1 lb. dried prunes, cooked and pitted
- 2½ cups pie apples, sliced
- 1 cup prune juice
- 1 tablespoon lemon juice
- ½ cup unsulphured molasses
- ½ teaspoon nutmeg
- ½ teaspoon salt
- ¼ cup sugar
- 2 tablespoons butter (or margarine)
- 1½ cups sifted enriched flour
- ¾ teaspoon salt
- 2 teaspoons double-acting baking powder
- ¼ cup shortening
- ¾ cup milk

Heat oven to 450° F. Place prunes and apples in a 9 x 9 x 3-inch baking dish. Pour prune and lemon juice, molasses, nutmeg, salt and sugar over fruit; dot with butter or margarine. Make dough for drop biscuit with remaining ingredients; drop in 9 mounds over fruit. Bake 25 minutes until brown and serve with or without cream.

**Rhubarb and Apple Cobbler**

- 4 cups diced rhubarb
- 1 cups sliced cooking apples
- 2/3 cup sugar
- 1/3 cup molasses
- 2 tablespoons butter or margarine
- Unbaked pastry for one-crust pie

Heat oven to 450° F. Place rhubarb and apples in 10 x 6 x 2-inch baking dish. Sprinkle with sugar and salt, dribble with molasses, and dot with butter. Cover with pastry, rolled into rectangular shape, ¼ inch thick. Trim, seal, and flute and edge, cutting a gash in pastry to allow steam to escape. Bake 10 minutes, reduce heat to 350° F. and bake 30 minutes or until crust is brown and fruit is tender.

**Small chore "weeds"**

**I**T might be good business to see how many weeds of small chores, tensions and mere housekeeping habits, that take toll of our energies, we can pull out of our lives...

Today many a routine that eats up a housewife's time and strength wouldn't stand on industrial, motion engineer's inventory, or pay for its waste of man-hours in a factory.

Today many of our frills and fancies, like silver to be polished, meals served in "courses", furniture with a heavy upkeep in work, traditional table-setting and menus,

are only worth it if you get more pleasure out of them than you use up energy keeping them.

Today many good wholesome meals need no real cooking or preparation, and the chief argument against a healthy snack of milk, fruit, bread, cheese and hot soup is merely that our grandmothers wouldn't have served it. Neither would they wear our hats!

Today we need new routines, adjusted to the housekeeper. We need to use our brains, not only to save our budgets, but to economize on ourselves.



## Let's Ask Aunt Sal...

IN a recent issue of this column I outlined types of questions that I feel cannot seek rightful place herein. Among these were these: (1) Medical questions, (2) advice to the lovelorn, (3) obtaining jobs or situations of employment, (4) buying and selling articles.

I think I am right in stating that none of these named questions rightfully fall into the category of "home-making problems." Because of many questions outside the rightful home-making scope, I feel prompted to repeat this warning again. Don't stop writing me, and continue to consider me your friend, please... but scan your particular questions well before submitting them to me.

Q.: After cleaning the inside of a very dirty car, the bag of my vacuum cleaner seems to have become plugged with fine dust and since then the motor overheats when using the cleaner. How can I clean the bag?—(Mrs. R. H. W., Glenwilliam, Man.)

A.: Of course we are told that we must not wash the bag, but how about giving it a "dry wash" using cornmeal or bran. Rub this well into the bag and leave on the line on a windy day. If no good results, consult your nearest vacuum cleaner dealer.

Q.: Have any of you readers an auto knitter for sale?—Mrs. E. Dalo, Edfield, Sask.

A.: I have affixed this writer's full name and address so you can write to her direct instead of to me.

Q.: Where can I buy supplies for various handicrafts? (This is almost a perennial question.)

A.: Previously I gave you this address: Lewis Craft, 425 Graham Ave., Winnipeg, Man. Now two kind, helpful readers have written in to tell us that this store has been closed. The merchandise was purchased by "Handicraft Supplies," Kresge Bldg., Winnipeg. Lewis Craft still have their Toronto store, but a fine place to send to is: Handicraft Supply Co., Peterborough, Ontario. (They put out a free catalogue that is almost an instruction book.) Also this firm is recommended, Bedford Fine Leathers, Vancouver, B.C., they put out a catalogue, charging 25c. Still another good business house for contacting supplies for handicrafts is: Fraser Ltd., 320 Donald St., Winnipeg, Man.

The above information was supplied to me by Mrs. H. F. S., Winnipeg, and Mrs. J. J. C., Foxwarren, Man. Thank both of you so much!

Please save these above addresses for future reference as questions of this nature are directed to me continually.

Q.: Can any reader supply the embroidery part of the peacock pattern for making chairsets? I

have the crotched portion which is in pineapple design, but I lack the embroidered part.—(Miss Marie Bazarski, Tiny, Sask.)

A.: Again I have affixed the full name and address so you can contact this lady directly. Drop her a card if you can supply and I know she will be willing to supply necessary postage.

Q.: How can I remove the print from X-ray films or ordinary negatives? In making Christmas card boxes I could use this clear celluloid if I could get it cleaned off.—(Mrs. W. D. R., Derwent.)

A.: I took this question up with a professional photographer and he gave me this reply: Just soak the old film in warm water until the emulsion rubs off. (Easy, eh!)

Q.: I would like to know if one can disinfect fine feathers or down?—(Mrs. H. A. H.)

A.: Here is an old remedy for fuming powder: Sulphur, 1 part, and chlorate of potash, 3 parts. Place feathers in a strong paper sack or in a cloth sack (as flour bag) along with this solution; tie top of bag securely and hang on outside line. Leave there on windy day or give the bag a shaking often throughout the day.

Q.: How can one retrace an embroidery pattern for reusing? (Repeat.)

A.: The easiest way is to buy a hectograph pencil and go over the pattern. It presses off just like new. (This was supplied by Mrs. P. of Chitek, Sask. Thank you!)

Q.: A dear friend gave my children a number of gifts, such as silk scarfs, etc., and since receiving these I discover that this friend has tuberculosis. I would like to keep these articles but are they safe?—(Mrs. M. G., Calgary, Alta.)

A.: The medical advice that I received states that T.B. germs can all be routed by either boiling for a few minutes or sunning them in the direct sunlight for a few hours.

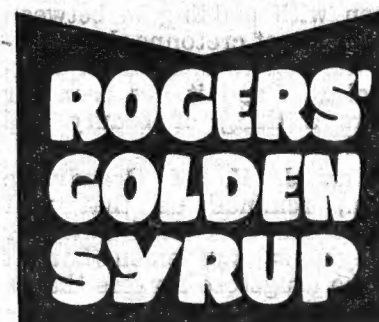
Q.: Can you supply the recipe for Easter Cakes such as were sold in the bake shops of Somerset, England? These were flat, round cookies the size of saucers.—(Mrs. F. H. H., Lloydminster, Sask.)

A.: At least half a dozen of you ex-Somersetites have written in friendly letters recalling these "cakes" you used to buy or bake come Easter time each spring. I have checked over your recipes carefully and tried out two of them. I've chosen two of them to share with you for they sound so good and just a bit novel. I notice that in most recipes that hail from England or Scotland they use the term "cakes" to describe many sweets that we would name cookies.



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2 tablespoons melted margarine, vegetable shortening or salad oil  
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Pepper

Stir ingredients into vegetable liquid. Heat and pour over limas, beans, string beans or quick-cooked cabbage in serving dish. Try it too, with fish. For free recipe booklet, write to Reckitt & Colman (Canada) Ltd., Station T, Montreal.

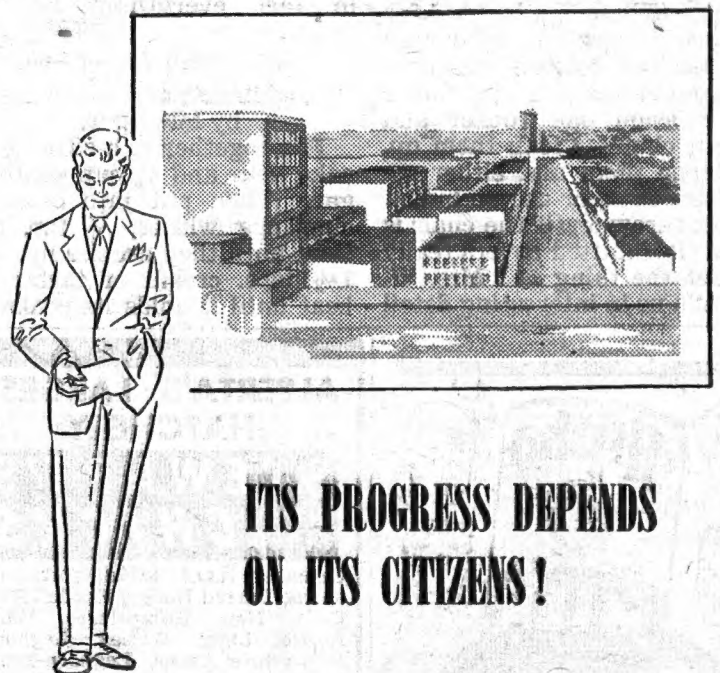
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ON TEACHERS**



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## Aunt Sal suggests . . .

SINCE writing you last I have packed up all my earthly possessions and moved . . . so, as my friend Ole words it, "That is quite a job." Although I strove to be as systematic about the whole business as I could, still a few things did get broken . . . lost or mislaid. My typewriter was the last thing packed . . . in fact, I never packed it at all: it being a portable one can be carried and I'm the guy that carries it too. I've never let the most well-meaning male lay hands on it in transit. It has been a good friend to me over quite a stretch of years and I intend respecting that friendship.

After the onslaught of the "Coontown Cake" letters had subsided, there was quite a flurry occasioned by those who wished to send in their own recipes for (1) Easter cakes, (2) Air buns. None of the versions of the latter differed enough to warrant more space, I decided, but thank you so much anyway for sending them. I may at a later date place them in this column.

I asked you to contribute ideas for furnishing a rural living room at a low cost. Some very fine letters reached me on this topic. I'm going to quote from these below. Mrs. B.A.W. of Cassils, Alta., has this to tell us:

"Watch for the ads in rural papers for sales of remnants of curtain materials. Better still watch for sales for unbleached sheeting, medium or light weight. (These can be used for curtains, drapes, etc., by dyeing them desired colors.) At second-hand stores you may find a solid mission oak rocker and straight chair. Clean them up, sandpaper them and either reupholster them or use an Indian blanket throw or (if the chair is club style) knitted covers really are just the thing . . . Mrs. W. also tells us in interesting detail

of utilizing apple or orange crates for end tables, and book cases. In re-reading this fine letter I notice there is a little request tucked in that should have appeared in my other column. But I'll place it here and hope you will not overlook it.

.. Is there any reader who can procure seeds for me of the jet black pansies — scented or unscented? (Drop me a card if you can supply and I shall forward it at once to Mrs. W.)

From Mrs. A. H., Hanna, Alta., comes this cute idea in helping to make the living room habitable. She tells of making a nice hassock (or footstool) from a cheesebox (she paid 50c for it at her grocer's.) She padded it well and covered the bottom with sturdy denim. Then with padding in between the layers of cretonne she covered the box to simulate a footstool . . . and it has been for years a thing of beauty and service.

Mrs. J. K. of Grandview, Man., reminds us that rust stains can be chased away by applying salts of lemon (bought at the drugstore for less than a quarter).

Mrs. S. T. of Bapaume, Sask., shares her never-fail angel cake recipe with us. I haven't tried this yet, but I surely have been looking for such a thing for years . . . my angel foods always turned out to be "ever fail" ones to date. I've blamed the stove . . . the eggs . . . the weather . . . the government . . . in fact everything but the cook.

**Never Fail Angel Food**  
(Contributed and much tested by Mrs. S. T.)

Mix together in a sifter 1 cup cake flour and ½ cup white sugar. Then put into bowl 1¼ cups egg whites, ½ tsp. salt. Beat until they are foamy. Add 1½ tps. cream of tartar and beat until it holds its peaks but

not dry. Add ½ tsp. vanilla and almond extract and 1 cup sugar a little at a time. Use a rubber scraper for this and do not beat, only fold it in. Then add the sifted sugar and flour about 2 tbsps. at a time . . . do not beat, only fold in. Put batter in ungreased angel cake tin. Bake

in very slow oven about 250 degrees for 1¼ hrs. The last 15 minutes heat to 275 degrees F. Before I'm a day older I'm going to try this out and if it doesn't turn out decent . . . I'll blame Mrs. S. T., isn't that fair? Bye bye for now . . . and every good wish. Aunt Sal.

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650x16	4-Ply	Studded Traction	37.20	26.85
650x16	6-Ply	Studded Traction	47.40	34.75
650x16	4-Ply	Roadgrip Traction	37.30	26.90
670x16	4-Ply	Conventional Tread, Air Cushion	32.70	23.35
670x16	6-Ply	Conventional Tread, Air Cushion	42.05	30.60
700x15	6-Ply	Conventional Tread, Air Cushion	51.20	37.70
710x15	4-Ply	Conventional Tread, Air Cushion	35.65	25.65
710x15	6-Ply	Conventional Tread, Air Cushion	44.60	32.55
710x15	4-Ply	Studded Traction	41.55	30.20
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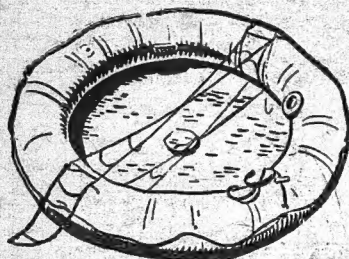
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Calgary, Alberta.  
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**UNION TRACTOR  
AND EQUIPMENT CO. LTD.**

CALGARY  
EDMONTON  
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GRANDE PRAIRIE  
LETHBRIDGE  
GRIMSHAW  
and DAWSON CREEK, B.C.



**NEW  
1952**

**Chevrolet**

Illustrated — Styleline De Luxe 4-Door Sedan



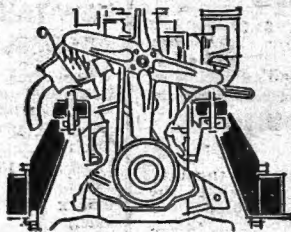
A General Motors Value

**Lowest Priced In Its Field!**

Chevrolet, the Leader, is the lowest priced car in its field. It's Canada's most beautiful low-priced car — and Canada's most wonderful motor car value!

**Only Chevrolet,  
the lowest-priced fine car,  
offers all these extra  
features!**

Here is only a partial listing of the wonderful array of extra features offered to you by Chevrolet, the lowest-priced fine car. Every single one of them means extra pleasure, extra safety or extra economy for you. Yet again in 1952 Chevrolet is the lowest-priced line in its field! See your Chevrolet dealer today!



**Centrepoint Power**

Engine vibration and power impulses are "screened out" — isolated from driver and passengers. Engine rides flexibly suspended between new high-side mountings.



**Extra Large Brakes**

Chevrolet's Jumbo-Drum brakes with their big 11-inch brake drums, apply more leverage for more stopping power. Bonded linings last up to twice as long.



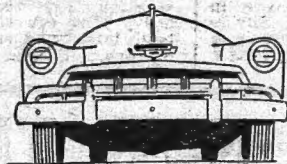
**Body By Fisher**

Fisher Body sets the standard for styling and craftsmanship. And Fisher Unisteel construction guards you with solid all-steel strength.



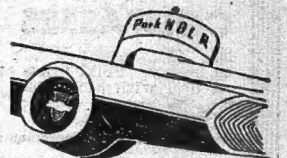
**Unitized Knee-Action Ride**

Chevrolet's famous Knee-Action ride is now even softer, smoother. New shock absorber action smoothes bumps and jolts more quickly.



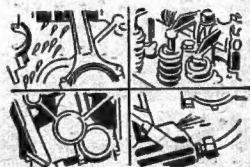
**Widest Tread**

Chevrolet measures a full 58 3/4 inches between centres of rear wheels — providing a broader base to give more all-round stability.



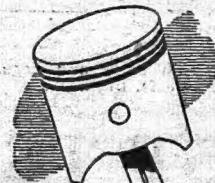
**Powerglide Automatic Transmission**

It's simpler with fewer parts to wear or require adjustment. It's smoother because oil does it all without complicated intermediate gears. Optional on De Luxe models at extra cost.



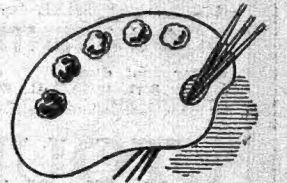
**4-Way Engine Lubrication**

Chevrolet's exclusive engine lubricating system supplies exactly the right kind and amount of lubrication to each moving part.



**Cast Iron Alloy Pistons**

Pistons are formed from the same material as the cylinder block — expand and contract at the same rate. This reduces piston wear and oil consumption!



**Gorgeous New Exterior Colors**

Rich and beautiful color combinations . . . the most wonderful array in the entire low-price field. In De Luxe series, interiors and exteriors are distinctively color-matched.

**The LEADER leads again . . .**

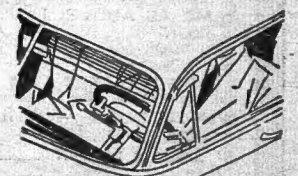


**The Only Fine Cars . . . PRICED SO LOW!**



**Powerful Valve-in-Head Engine**

Team with Powerglide is the powerful Valve-in-Head engine, an outstanding performer in any field. This engine's Hydraulic — Hushed valve lifters are another important Chevrolet exclusive.



**GM Tinted Glass with the Shaded Windshield**

Chevrolet offers tinted glass with exclusive, shaded windshield-tinting. Tinted glass all 'round reduces glare and heat, helps you drive more safely and comfortably. (Optional at extra cost).

**MORE PEOPLE BUY CHEVROLETS THAN ANY OTHER CAR!**